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Detailed Interregional Commute Characteristics

1990 Census
Transportation Planning Package
(Urban Element)

Working Paper #8

Charles L. Purvis
Transportation Planner/Analyst

Metropolitan Transportation Commission
101 Eighth Street
Oakland, California 94607-4700

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Purvis, Charles L.

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INTRODUCTION

Working Paper #8 on the 1990 U.S. Census is a detailed summary of interregional commute patterns between the nine-county San Francisco Bay Area and neighboring counties in northern California. Data from this working paper is extracted from the 1990 Census Transportation Planning Package – Urban Element (CTPP/UE). This package was released in December 1993 by the U.S. Bureau of the Census. This report complements working paper #4 "San Francisco Bay Area Interregional County-to-County Commute Patterns" (January 1993).

Data for the nine-county Bay Area is tabulated at the Metropolitan Transportation Commission (MTC) superdistrict level. External data is reported for either the 12 neighboring counties or for all areas outside the region. There are 34 superdistricts in the nine-county Bay Area (see Figure 1). Superdistricts are aggregations of regional travel analysis zones and census tracts that are used for analysis of sub-county travel patterns, sub-county demographic characteristics, and for general planning purposes. Neighboring counties highlighted in this report are shown in Figure 2. Figure 3 is a map showing all California counties.

The tables included in this working paper are summarized from a special MTC file extracted from the CTPP/UE for the Bay Area. The records in this special file provide commuter "flow" detail at the 1,099 regional travel analysis zone-level within the nine-county Bay Area, and at place/county level external to the Bay Area.

The 1990 Census CTPP/UE is the first census product to provide geographically-detailed data on interregional commute patterns. The 1980 Census Urban Transportation Planning Package (UTPP), in contrast, provided only data on interregional county-to-county commute patterns, and external county-to-central city commute patterns. Data from the 1980 Census is not available for any geographic level finer than county or central city within the Bay Area (or external to the Bay Area). Comparisons of 1980 to 1990 interregional commute patterns between the Bay Area and other counties are included in MTC Working Paper #4 (January 1993). This report contains no comparisons to past census journey-to-work data.

There are four main tables included in this working paper and two sets of appendix tables. The number of workers working in MTC superdistricts, both intraregional (living and working in the nine-county Bay Area) and in-commuters (living outside and commuting in) is shown in Table 1. This table also shows the share of in-commuters relative to total commuters. The number of workers residing in MTC

superdistricts (intra-regional and out-commuters) is shown in Table 2. Share of out-commuters by superdistrict-of-residence is also tabulated in Table 2.

Interregional commuter flow matrices are shown in Table 3 and 4. Data on external neighbor county-of-residence to MTC superdistrict-of-work commuters is summarized in Table 3. MTC superdistrict-of-residence to neighbor county-of-work commute data is shown in Table 4.

Appendix Table A-1 (pages A-1-1 through A-1-21) details the external county-of-residence (within California) to MTC superdistrict-of-work by grouped means of transportation (total, drive alone, shared ride two occupant, shared ride three-or-more occupant, transit, and vehicle driver commuter). Appendix Table A-2 shows the opposite flows — MTC superdistrict-of-residence to external county-of-work (within California) by grouped means of transportation.

The data user may notice some unusually long distance commutes in the appendix tables, for example, between Los Angeles County and MTC superdistrict #18. These unusually long distance commutes may be due to Bay Area residents working away from their usual place of work during the "census reference week" (last week of March 1990), geocoding errors by the U.S. Census Bureau, or to the worker actually commuting an ultra-long distance. Most of these unusual commutes can be attributed to the "travelling salesperson" phenomenon (working away from usual place of work during the census reference week). For practical purposes, only the interregional commute data between the Bay Area and the twelve neighboring counties is used in MTC transportation planning analyses.

ANALYSIS OF RESULTS

The first table in this working paper shows the number of workers by superdistrict-of-work and county-of-work, stratified by intraregional workers (living-and-working in the nine-county Bay Area) and in-commuters (living outside the Bay Area and commuting to jobs in the Bay Area). The last column in Table 1 indicates the share of the "jobs" in the Bay Area held by non-Bay Area resident workers.

The term "jobs" as used in this context is not the same as total employment given that the 1990 Census data excludes workers absent from work during the census reference week and excludes the secondary, or moonlighting, jobs held by workers. The census-based estimate of jobs (or employment) is typically 5 to 10 percent higher than the workers-at-work values shown in Table 1.

The 1990 Census data indicates that 3.5 percent of the 3,152,000 jobs in the Bay Area are held by persons residing outside the nine-county region. The largest share of these in-commuters (40,100) are destined to jobs in Santa Clara County. The second largest destination for in-commuters to Bay Area jobs is Alameda County (25,900). By superdistrict-of-work, the largest number are headed to jobs in "Silicon Valley," i.e., MTC superdistrict #34 (14,600 commuters). The second largest work destination is eastern Alameda County (superdistrict #15) with 10,900 commuters (principally coming from the San Joaquin Valley).

Eastern Alameda County (superdistrict #15) has the highest share of jobs held by non-Bay Area residents (13.2 percent in 1990). This is followed by the Gilroy/Morgan Hill area of Santa Clara County (10.5 percent of 39,200 jobs) and the Vacaville/Fairfield area of Solano County (7.7 percent of 65,700 jobs). Sonoma and Marin County have the lowest share of outside commuters working in local jobs (approximately 1 to 1.5 percent). In Silicon Valley superdistrict (#9), just 4.5 percent of 324,200 local jobs are held by non-Bay Area resident workers.

Out-commuting from Bay Area superdistrict to non-Bay Area jobs is summarized in Table 2. Regionally, 1.4 percent of the 3,085,400 Bay Area workers commute to jobs outside the nine-county Bay Area. The northern Solano County superdistrict (#26) of Fairfield/Vacaville has the highest number and highest share of workers commuting to jobs outside the region. This area shows 7.3 percent of the 94,700 workers (6,900 workers) commuting to jobs outside the Bay Area, principally to Yolo and Sacramento Counties. Other superdistricts with notable out-commutes include the Gilroy/ Morgan Hill area of Santa Clara County (5.0 percent of 37,800 workers);

and the Cupertino/Saratoga area of Santa Clara (2,400 out of 162,500 commuters). Most areas in the Bay Area have a very low out-commute share, typically in the 1 to 1.5 percent range.

The number of in-commuters from neighboring county-of-residence to Bay Area superdistrict-of-work is shown in Table 3. Data is provided for twelve neighboring northern California counties. The largest number of in-commuters are from Santa Cruz County (20,600 commuters in 1990), San Joaquin (20,300), Stanislaus (10,300) and Sacramento (8,900).

Of the 20,600 Santa Cruz-to-Bay Area commuters, 30 percent are commuting to jobs in the Silicon Valley superdistrict (#9) and 19 percent are commuting to the Cupertino/Saratoga area of Santa Clara (#10). Only 3.5 percent of Santa Cruz-to-Bay Area commuters are working in South Santa Clara, via Hecker Pass (Route 152) or US-101. The other 96.5 percent are commuting to the Bay Area predominantly over Route 17.

The 1990 Census indicates that 20,300 San Joaquin County residents and 10,300 Stanislaus County residents work in the nine-county Bay Area. Most of these 30,600 workers commute into the Bay Area on Interstate 580 via the Altamont Pass. MTC and the San Joaquin County Council of Governments (SJCCOG) conducted an origin-destination survey at Altamont Pass during 1988. The results of this 1988 origin-destination survey are compared to the 1990 Census journey-to-work results in the following table:

County/SD of Work	MTC/SJCCOG O-D 1988	1990 Census CTPP/UE
Eastern Alameda County	40.5%	29.8%
Rest of Alameda County	25.3%	25.5%
Danville/San Ramon	6.8%	3.7%
Rest of Contra Costa Co	2.3%	7.6%
Santa Clara County	17.1%	22.8%
San Francisco County	4.1%	3.7%
San Mateo County	3.0%	4.2%
North Bay Counties	0.9%	2.7%
Total Bay Area	100.0%	100.0%

The 1990 Census clearly indicates a tendency for commuters to work farther away from home (e.g., Santa Clara County) than does the 1988 origin-destination study. The 1990 Census also indicates clearly that fewer trans-Altamont Pass commuters work in jobs in Eastern Alameda County than is indicated by the 1988 origin-destination study. Both of these findings may be due to either real changes in the trans-Altamont Pass commute between 1988 and 1990, or sampling or other errors associated with the 1988 survey or the 1990 Census. (The commute shares shown in the previous table also include census commuters from the Central Valley counties of San Joaquin and Stanislaus who work in eastern Contra Costa County and Solano County. These commuters probably do not use the Altamont Pass I-580 gateway to enter the Bay Area; therefore, the other commute shares which would logically use the Altamont Pass are most likely higher than shown.)

The largest external county-to-MTC superdistrict commute market is the San Joaquin County-to-Eastern Alameda County (superdistrict #15) with 7,300 daily commuters in 1990. Other large markets include the 6,200 commuters from Santa Cruz to Silicon Valley (#9), the 4,000 commuters from Santa Cruz to Cupertino/Saratoga (#10), the 3,200 commuters from Santa Cruz to Central San Jose (#11), the 2,200 commuters from San Joaquin to Hayward/San Leandro (#17) and the 2,100 commuters from Sacramento to Fairfield/Vacaville (#26).

The number of out-commuters from Bay Area superdistrict-of-residence to neighboring county-of-work is shown in Table 4. Data is provided for 12 neighboring northern California counties. The largest number of out-commuters are traveling to jobs in Sacramento County (6,200 commuters in 1990), Santa Cruz (4,500), Yolo (3,300) and San Joaquin (2,700).

The largest markets of MTC superdistrict-to-external county commuters are from Fairfield/ Vacaville (#26) to Sacramento (3,000 commuters in 1990), Fairfield/Vacaville to Yolo (2,600 commuters) and Cupertino/Saratoga (#10) to Santa Cruz (1,100). All other superdistrict-to-external county commute markets are less than 1,000 total daily commuters.

Table 1
1990 Intraregional and Interregional Workers, MTC Superdistrict of Work

Superdistrict of Work	IntraRegional Workers	In- Commuters	Total Workers	Percent In-Commuters
1 Downtown San Francisco	317,978	7,446	325,424	2.3%
2 Richmond District	86,561	1,883	88,444	2.1%
3 Mission District	124,392	1,933	126,325	1.5%
4 Sunset District	26,476	403	26,879	1.5%
5 Daly City/San Bruno	125,541	6,977	132,518	5.3%
6 San Mateo/Burlingame	79,015	1,405	80,420	1.7%
7 Redwood City/Menlo Park	103,675	3,223	106,898	3.0%
8 Palo Alto/Los Altos	117,215	2,946	120,161	2.5%
9 Sunnyvale/Mtn. View	309,588	14,610	324,198	4.5%
10 Cupertino/Saratoga	115,619	6,387	122,006	5.2%
11 Central San Jose	123,365	6,522	129,887	5.0%
12 Milpitas/East San Jose	82,654	3,681	86,335	4.3%
13 South San Jose	49,223	1,853	51,076	3.6%
14 Gilroy/Morgan Hill	35,123	4,121	39,244	10.5%
15 Livermore/Pleasanton	71,817	10,892	82,709	13.2%
16 Fremont/Union City	96,468	3,647	100,115	3.6%
17 Hayward/San Leandro	129,306	5,057	134,363	3.8%
18 Oakland/Alameda	207,074	4,724	211,798	2.2%
19 Berkeley/Albany	100,024	1,611	101,635	1.6%
20 Richmond/El Cerrito	63,846	1,069	64,915	1.6%
21 Concord/Martinez	100,923	2,488	103,411	2.4%
22 Walnut Creek	71,405	1,498	72,903	2.1%
23 Danville/San Ramon	41,371	1,932	43,303	4.5%
24 Antioch/Pittsburg	36,019	1,470	37,489	3.9%
25 Vallejo/Benicia	52,884	2,447	55,331	4.4%
26 Fairfield/Vacaville	60,627	5,048	65,675	7.7%
27 Napa	31,009	659	31,668	2.1%
28 St. Helena	15,955	434	16,389	2.6%
29 Petaluma/Rohnert Park	46,542	565	47,107	1.2%
30 Santa Rosa/Sebastopol	103,301	996	104,297	1.0%
31 Healdsburg/Cloverdale	13,556	221	13,777	1.6%
32 Novato	20,714	259	20,973	1.2%
33 San Rafael	50,417	597	51,014	1.2%
34 Mill Valley/Sausalito	32,832	366	33,198	1.1%
Region	3,042,515	109,370	3,151,885	3.5%
San Francisco	555,407	11,665	567,072	2.1%
San Mateo	308,231	11,605	319,836	3.6%
Santa Clara	832,787	40,120	872,907	4.6%
Alameda	604,689	25,931	630,620	4.1%
Contra Costa	313,564	8,457	322,021	2.6%
Solano	113,511	7,495	121,006	6.2%
Napa	46,964	1,093	48,057	2.3%
Sonoma	163,399	1,782	165,181	1.1%
Marin	103,963	1,222	105,185	1.2%

Table 2

1990 Intraregional and Interregional Workers, MTC Superdistrict of Residence

Superdistrict of Residence	IntraRegional Workers	Out- Commuters	Total Workers	Percent Out-Commuters
1 Downtown San Francisco	58,172	511	58,683	0.9%
2 Richmond District	114,888	1,314	116,202	1.1%
3 Mission District	144,305	1,044	145,349	0.7%
4 Sunset District	61,556	455	62,011	0.7%
5 Daly City/San Bruno	136,686	1,018	137,704	0.7%
6 San Mateo/Burlingame	105,921	1,155	107,076	1.1%
7 Redwood City/Menlo Park	100,666	1,096	101,762	1.1%
8 Palo Alto/Los Altos	90,953	1,140	92,093	1.2%
9 Sunnyvale/Mtn. View	116,366	1,144	117,510	1.0%
10 Cupertino/Saratoga	160,104	2,377	162,481	1.5%
11 Central San Jose	125,001	1,296	126,297	1.0%
12 Milpitas/East San Jose	152,960	1,347	154,307	0.9%
13 South San Jose	104,544	1,593	106,137	1.5%
14 Gilroy/Morgan Hill	35,880	1,900	37,780	5.0%
15 Livermore/Pleasanton	72,214	1,512	73,726	2.1%
16 Fremont/Union City	140,232	1,340	141,572	0.9%
17 Hayward/San Leandro	141,428	1,059	142,487	0.7%
18 Oakland/Alameda	193,427	1,804	195,231	0.9%
19 Berkeley/Albany	79,006	1,123	80,129	1.4%
20 Richmond/El Cerrito	98,209	796	99,005	0.8%
21 Concord/Martinez	108,481	1,420	109,901	1.3%
22 Walnut Creek	66,810	1,242	68,052	1.8%
23 Danville/San Ramon	47,177	1,199	48,376	2.5%
24 Antioch/Pittsburg	74,434	1,359	75,793	1.8%
25 Vallejo/Benicia	62,791	1,208	63,999	1.9%
26 Fairfield/Vacaville	87,833	6,881	94,714	7.3%
27 Napa	34,461	579	35,040	1.7%
28 St. Helena	16,299	234	16,533	1.4%
29 Petaluma/Rohnert Park	69,750	724	70,474	1.0%
30 Santa Rosa/Sebastopol	88,541	969	89,510	1.1%
31 Healdsburg/Cloverdale	29,770	677	30,447	2.2%
32 Novato	29,567	374	29,941	1.2%
33 San Rafael	52,328	430	52,758	0.8%
34 Mill Valley/Sausalito	41,755	604	42,359	1.4%
Region	3,042,515	42,924	3,085,439	1.4%
San Francisco	378,921	3,324	382,245	0.9%
San Mateo	343,273	3,269	346,542	0.9%
Santa Clara	785,808	10,797	796,605	1.4%
Alameda	626,307	6,838	633,145	1.1%
Contra Costa	395,111	6,016	401,127	1.5%
Solano	150,624	8,089	158,713	5.1%
Napa	50,760	813	51,573	1.6%
Sonoma	188,061	2,370	190,431	1.2%
Marin	123,650	1,408	125,058	1.1%

Table 3

Interregional Workers, External Neighbor County to MTC Superdistrict of Work

Superdistrict of Work	County of Residence.....					San
	Mendocino	Lake	Yolo	Placer	Sacramento	Joaquin
1 Downtown San Francisco	53	54	123	64	802	530
2 Richmond District	22	24	42	20	163	95
3 Mission District	0	26	27	32	203	97
4 Sunset District	8	9	5	0	56	34
5 Daly City/San Bruno	35	27	73	72	348	371
6 San Mateo/Burlingame	21	12	13	32	71	129
7 Redwood City/Menlo Park	42	0	19	35	64	255
8 Palo Alto/Los Altos	0	0	65	11	69	149
9 Sunnyvale/Mtn. View	9	32	36	106	555	1,831
10 Cupertino/Saratoga	17	20	7	13	138	298
11 Central San Jose	0	0	13	47	184	473
12 Milpitas/East San Jose	0	13	0	34	95	422
13 South San Jose	0	4	0	0	48	106
14 Gilroy/Morgan Hill	5	0	18	15	73	101
15 Livermore/Pleasanton	12	23	40	46	400	7,267
16 Fremont/Union City	0	11	33	12	117	1,327
17 Hayward/San Leandro	12	43	27	35	259	2,169
18 Oakland/Alameda	19	41	63	71	619	1,120
19 Berkeley/Albany	24	0	86	27	114	119
20 Richmond/El Cerrito	5	9	66	17	240	180
21 Concord/Martinez	11	19	129	124	436	671
22 Walnut Creek	18	9	98	34	230	349
23 Danville/San Ramon	0	33	18	54	173	904
24 Antioch/Pittsburg	8	18	15	15	156	723
25 Vallejo/Benicia	13	28	622	48	678	216
26 Fairfield/Vacaville	0	11	1,662	199	2,147	229
27 Napa	22	106	114	32	172	44
28 St. Helena	27	149	31	0	21	6
29 Petaluma/Rohnert Park	58	118	28	2	29	0
30 Santa Rosa/Sebastopol	598	807	15	15	40	7
31 Healdsburg/Cloverdale	83	65	0	0	17	0
32 Novato	28	30	4	0	50	0
33 San Rafael	42	33	21	7	51	41
34 Mill Valley/Sausalito	10	26	13	0	80	54
Region	1,202	1,800	3,526	1,219	8,898	20,317
San Francisco	83	113	197	116	1,224	756
San Mateo	98	39	105	139	483	755
Santa Clara	31	69	139	226	1,162	3,380
Alameda	67	118	249	191	1,509	12,002
Contra Costa	42	88	326	244	1,235	2,827
Solano	13	39	2,284	247	2,825	445
Napa	49	255	145	32	193	50
Sonoma	739	990	43	17	86	7
Marin	80	89	38	7	181	95

Table 3 (continued)
Interregional Workers, External Neighbor County to MTC Superdistrict of Work

Superdistrict of Work	County of Residence.....		San		Santa	Total
	Stanislaus	Merced	Benito	Monterey	Cruz	
1 Downtown San Francisco	204	30	17	66	320	2,263
2 Richmond District	65	7	0	12	53	503
3 Mission District	103	14	0	22	89	613
4 Sunset District	8	0	0	20	8	148
5 Daly City/San Bruno	109	11	21	72	281	1,420
6 San Mateo/Burlingame	163	12	0	54	160	667
7 Redwood City/Menlo Park	266	34	44	47	932	1,738
8 Palo Alto/Los Altos	208	40	75	75	1,278	1,970
9 Sunnyvale/Mtn. View	1,655	138	502	603	6,171	11,638
10 Cupertino/Saratoga	348	65	294	264	4,012	5,476
11 Central San Jose	613	107	432	374	3,241	5,484
12 Milpitas/East San Jose	533	71	225	256	1,528	3,177
13 South San Jose	117	83	310	198	733	1,599
14 Gilroy/Morgan Hill	131	178	1,930	641	730	3,822
15 Livermore/Pleasanton	1,852	26	51	58	96	9,871
16 Fremont/Union City	901	36	34	75	355	2,901
17 Hayward/San Leandro	1,417	38	14	15	108	4,137
18 Oakland/Alameda	548	21	1	36	100	2,639
19 Berkeley/Albany	223	32	14	62	53	754
20 Richmond/El Cerrito	38	0	0	24	37	616
21 Concord/Martinez	89	19	6	41	110	1,655
22 Walnut Creek	214	9	1	18	53	1,033
23 Danville/San Ramon	229	0	8	0	38	1,457
24 Antioch/Pittsburg	75	0	0	0	25	1,035
25 Vallejo/Benicia	20	6	0	0	11	1,642
26 Fairfield/Vacaville	53	16	0	18	9	4,344
27 Napa	61	11	0	7	0	569
28 St. Helena	0	4	0	9	5	252
29 Petaluma/Rohnert Park	0	0	0	0	0	235
30 Santa Rosa/Sebastopol	27	21	0	8	7	1,545
31 Healdsburg/Cloverdale	8	0	0	0	0	173
32 Novato	10	0	0	0	11	133
33 San Rafael	38	0	0	12	8	253
34 Mill Valley/Sausalito	0	0	0	0	34	217
Region	10,326	1,029	3,979	3,087	20,596	75,979
San Francisco	380	51	17	120	470	3,527
San Mateo	538	57	65	173	1,373	3,825
Santa Clara	3,605	682	3,768	2,411	17,693	33,166
Alameda	4,941	153	114	246	712	20,302
Contra Costa	645	28	15	83	263	5,796
Solano	73	22	0	18	20	5,986
Napa	61	15	0	16	5	821
Sonoma	35	21	0	8	7	1,953
Marin	48	0	0	12	53	603

Table 4

Interregional Workers, MTC Superdistrict of Residence to External Neighbor County

Superdistrict of Residence	County of Work....					San
	Mendocino	Lake	Yolo	Placer	Sacramento	Joaquin
1 Downtown San Francisco	0	0	13	0	30	23
2 Richmond District	0	0	19	0	127	51
3 Mission District	0	14	8	7	83	4
4 Sunset District	0	0	5	0	44	17
5 Daly City/San Bruno	6	0	20	17	57	0
6 San Mateo/Burlingame	0	0	18	14	37	0
7 Redwood City/Menlo Park	0	9	0	9	71	10
8 Palo Alto/Los Altos	0	0	10	11	74	8
9 Sunnyvale/Mtn. View	0	5	7	0	91	30
10 Cupertino/Saratoga	0	0	9	24	26	81
11 Central San Jose	0	12	16	14	29	39
12 Milpitas/East San Jose	0	0	0	34	137	100
13 South San Jose	11	0	7	0	67	41
14 Gilroy/Morgan Hill	0	0	0	0	0	27
15 Livermore/Pleasanton	0	9	36	7	92	425
16 Fremont/Union City	0	7	23	0	86	131
17 Hayward/San Leandro	0	0	7	5	121	150
18 Oakland/Alameda	8	0	33	8	161	113
19 Berkeley/Albany	0	0	88	8	93	39
20 Richmond/El Cerrito	0	0	51	0	170	50
21 Concord/Martinez	29	0	32	43	305	136
22 Walnut Creek	0	0	26	25	75	68
23 Danville/San Ramon	7	0	53	11	61	150
24 Antioch/Pittsburg	0	0	34	14	192	570
25 Vallejo/Benicia	0	0	107	10	315	61
26 Fairfield/Vacaville	0	0	2,569	61	3,001	225
27 Napa	7	33	41	9	158	7
28 St. Helena	14	57	7	7	30	22
29 Petaluma/Rohnert Park	34	49	44	0	170	26
30 Santa Rosa/Sebastopol	190	96	19	0	145	46
31 Healdsburg/Cloverdale	269	80	10	23	21	15
32 Novato	0	8	0	0	25	20
33 San Rafael	7	0	5	0	52	0
34 Mill Valley/Sausalito	0	0	29	5	41	0
Region	582	379	3,346	366	6,187	2,685
San Francisco	0	14	45	7	284	95
San Mateo	6	9	38	40	165	10
Santa Clara	11	17	49	83	424	326
Alameda	8	16	187	28	553	858
Contra Costa	36	0	196	93	803	974
Solano	0	0	2,676	71	3,316	286
Napa	21	90	48	16	188	29
Sonoma	493	225	73	23	336	87
Marin	7	8	34	5	118	20

Table 4 (continued)**Interregional Workers, MTC Superdistrict of Residence to External Neighbor County**

Superdistrict of Residence	County of Work....		San		Santa Cruz	Total Neighbors
	Stanislaus	Merced	Benito	Monterey		
1 Downtown San Francisco	0	0	8	25	8	107
2 Richmond District	18	0	0	64	57	336
3 Mission District	6	10	11	69	43	255
4 Sunset District	7	0	0	24	9	106
5 Daly City/San Bruno	8	11	8	15	80	222
6 San Mateo/Burlingame	16	0	7	43	86	221
7 Redwood City/Menlo Park	0	6	6	34	227	372
8 Palo Alto/Los Altos	0	0	12	32	105	252
9 Sunnyvale/Mtn. View	31	10	26	39	190	429
10 Cupertino/Saratoga	23	14	39	125	1,134	1,475
11 Central San Jose	24	0	33	131	535	833
12 Milpitas/East San Jose	26	11	33	78	403	822
13 South San Jose	32	0	35	136	738	1,067
14 Gilroy/Morgan Hill	23	8	625	608	400	1,691
15 Livermore/Pleasanton	112	6	0	24	33	744
16 Fremont/Union City	35	39	9	26	147	503
17 Hayward/San Leandro	71	0	0	40	68	462
18 Oakland/Alameda	54	0	9	71	23	480
19 Berkeley/Albany	41	7	0	11	51	338
20 Richmond/El Cerrito	7	0	0	36	16	330
21 Concord/Martinez	39	0	0	36	16	636
22 Walnut Creek	19	0	0	4	8	225
23 Danville/San Ramon	39	7	0	24	4	356
24 Antioch/Pittsburg	76	6	0	9	0	901
25 Vallejo/Benicia	0	0	0	21	5	519
26 Fairfield/Vacaville	60	34	5	33	29	6,017
27 Napa	39	0	0	6	0	300
28 St. Helena	9	0	0	1	0	147
29 Petaluma/Rohnert Park	6	0	0	11	5	345
30 Santa Rosa/Sebastopol	0	7	0	10	7	520
31 Healdsburg/Cloverdale	0	0	0	9	15	442
32 Novato	0	0	0	0	0	53
33 San Rafael	0	0	0	21	13	98
34 Mill Valley/Sausalito	0	0	0	11	0	86
Region	821	176	866	1,827	4,455	21,690
San Francisco	31	10	19	182	117	804
San Mateo	24	17	21	92	393	815
Santa Clara	159	43	803	1,149	3,505	6,569
Alameda	313	52	18	172	322	2,527
Contra Costa	180	13	0	109	44	2,448
Solano	60	34	5	54	34	6,536
Napa	48	0	0	7	0	447
Sonoma	6	7	0	30	27	1,307
Marin	0	0	0	32	13	237

Table A-1
 External California County to Bay Area Superdistricts Commuters
 by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Alpine	1	12	9	0	0	3	9
Alpine	5	9	9	0	0	0	9
Amador	unk	2	2	0	0	0	2
Amador	1	9	2	7	0	0	6
Amador	2	4	4	0	0	0	4
Amador	5	11	11	0	0	0	11
Amador	6	18	18	0	0	0	18
Amador	7	21	15	0	6	0	17
Amador	9	45	42	0	0	0	42
Amador	10	21	21	0	0	0	21
Amador	11	2	2	0	0	0	2
Amador	14	2	2	0	0	0	2
Amador	15	18	16	2	0	0	17
Amador	16	14	14	0	0	0	14
Amador	17	17	17	0	0	0	17
Amador	18	6	6	0	0	0	6
Amador	20	2	2	0	0	0	2
Amador	21	19	13	6	0	0	16
Amador	23	4	4	0	0	0	4
Amador	26	18	9	9	0	0	14
Butte	unk	20	20	0	0	0	20
Butte	1	43	40	0	0	3	40
Butte	2	11	0	0	11	0	4
Butte	3	13	13	0	0	0	13
Butte	5	68	63	0	5	0	64
Butte	6	6	0	0	0	0	0
Butte	8	20	10	0	10	0	13
Butte	9	91	79	6	6	0	84
Butte	10	22	22	0	0	0	22
Butte	11	13	13	0	0	0	13
Butte	12	12	12	0	0	0	12
Butte	13	5	0	0	5	0	2
Butte	15	12	12	0	0	0	12
Butte	16	12	12	0	0	0	12
Butte	17	24	16	8	0	0	20
Butte	18	104	86	9	9	0	94
Butte	19	14	9	0	0	5	9
Butte	20	6	0	6	0	0	3
Butte	21	64	64	0	0	0	64
Butte	22	11	11	0	0	0	11
Butte	24	61	43	18	0	0	53
Butte	25	36	14	22	0	0	26
Butte	26	26	26	0	0	0	26
Butte	28	31	24	0	0	0	24

Table A-1
 External California County to Bay Area Superdistricts Commuters
 by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Butte	32	10	10	0	0	0	10
Butte	33	8	8	0	0	0	8
Calaveras	1	15	15	0	0	0	15
Calaveras	5	30	30	0	0	0	30
Calaveras	6	3	3	0	0	0	3
Calaveras	7	21	21	0	0	0	21
Calaveras	8	28	28	0	0	0	28
Calaveras	9	35	35	0	0	0	35
Calaveras	10	16	16	0	0	0	16
Calaveras	11	22	16	1	5	0	19
Calaveras	12	24	24	0	0	0	24
Calaveras	14	9	6	0	3	0	7
Calaveras	15	47	30	10	7	0	38
Calaveras	16	42	24	18	0	0	34
Calaveras	17	61	49	12	0	0	55
Calaveras	18	21	21	0	0	0	21
Calaveras	19	39	23	16	0	0	32
Calaveras	20	4	2	2	0	0	3
Calaveras	21	26	26	0	0	0	26
Calaveras	22	29	29	0	0	0	29
Calaveras	23	1	1	0	0	0	1
Calaveras	24	22	13	9	0	0	18
Calaveras	25	32	27	0	0	0	27
Calaveras	26	8	0	8	0	0	4
Colusa	16	12	9	0	0	3	9
Colusa	18	17	17	0	0	0	17
Colusa	20	13	6	7	0	0	10
Colusa	25	64	26	38	0	0	46
Colusa	26	20	20	0	0	0	20
Del Norte	1	6	6	0	0	0	6
Del Norte	25	7	7	0	0	0	7
Del Norte	30	2	2	0	0	0	2
El Dorado	unk	11	6	0	0	0	6
El Dorado	1	120	78	26	0	16	91
El Dorado	2	8	8	0	0	0	8
El Dorado	3	5	0	5	0	0	3
El Dorado	4	6	6	0	0	0	6
El Dorado	5	43	25	18	0	0	34
El Dorado	6	17	17	0	0	0	17
El Dorado	7	30	30	0	0	0	30
El Dorado	8	18	18	0	0	0	18
El Dorado	9	78	56	15	7	0	65
El Dorado	10	8	8	0	0	0	8
El Dorado	11	46	23	23	0	0	35
El Dorado	12	15	15	0	0	0	15

Table A-1
External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
El Dorado	13	20	20	0	0	0	20
El Dorado	15	31	24	0	0	0	24
El Dorado	16	12	12	0	0	0	12
El Dorado	17	24	24	0	0	0	24
El Dorado	18	40	34	6	0	0	37
El Dorado	19	8	8	0	0	0	8
El Dorado	20	35	28	7	0	0	32
El Dorado	21	61	61	0	0	0	61
El Dorado	23	21	6	0	15	0	9
El Dorado	24	18	18	0	0	0	18
El Dorado	25	27	20	7	0	0	24
El Dorado	26	31	25	0	0	0	25
El Dorado	27	6	0	0	6	0	2
El Dorado	30	16	16	0	0	0	16
El Dorado	32	6	0	6	0	0	3
El Dorado	33	27	6	11	10	0	15
El Dorado	34	7	7	0	0	0	7
Fresno	1	136	77	15	0	13	85
Fresno	2	7	0	7	0	0	4
Fresno	5	53	40	0	0	0	40
Fresno	6	41	41	0	0	0	41
Fresno	7	5	5	0	0	0	5
Fresno	8	26	11	0	7	0	13
Fresno	9	93	74	19	0	0	84
Fresno	10	34	20	14	0	0	28
Fresno	11	48	38	10	0	0	44
Fresno	12	27	12	15	0	0	20
Fresno	13	39	33	0	0	0	33
Fresno	14	48	41	7	0	0	45
Fresno	15	91	46	29	10	6	65
Fresno	16	71	41	10	0	7	46
Fresno	17	65	54	11	0	0	60
Fresno	18	41	23	0	6	12	25
Fresno	19	13	11	0	0	0	11
Fresno	20	27	27	0	0	0	27
Fresno	21	45	45	0	0	0	45
Fresno	22	20	20	0	0	0	20
Fresno	23	39	33	6	0	0	36
Fresno	24	17	10	0	7	0	12
Fresno	25	23	23	0	0	0	23
Fresno	26	41	0	31	10	0	19
Fresno	30	27	9	18	0	0	19
Glenn	1	27	27	0	0	0	27
Glenn	4	9	9	0	0	0	9
Glenn	8	9	9	0	0	0	9

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Glenn	15	3	0	3	0	0	2
Glenn	17	6	6	0	0	0	6
Glenn	18	11	0	11	0	0	6
Glenn	21	11	11	0	0	0	11
Humboldt	unk	24	11	0	6	0	13
Humboldt	1	39	14	17	0	0	23
Humboldt	2	7	7	0	0	0	7
Humboldt	3	20	20	0	0	0	20
Humboldt	4	8	8	0	0	0	8
Humboldt	5	64	29	18	0	0	38
Humboldt	10	7	7	0	0	0	7
Humboldt	12	3	3	0	0	0	3
Humboldt	15	13	13	0	0	0	13
Humboldt	16	11	11	0	0	0	11
Humboldt	17	8	8	0	0	0	8
Humboldt	18	22	22	0	0	0	22
Humboldt	19	12	12	0	0	0	12
Humboldt	20	31	12	7	0	0	16
Humboldt	21	9	9	0	0	0	9
Humboldt	25	15	15	0	0	0	15
Humboldt	27	6	6	0	0	0	6
Humboldt	29	3	3	0	0	0	3
Humboldt	30	3	3	0	0	0	3
Humboldt	33	10	4	6	0	0	7
Imperial	9	7	0	7	0	0	4
Imperial	15	6	6	0	0	0	6
Imperial	27	9	3	0	0	0	3
Kern	1	5	0	0	0	0	0
Kern	2	12	12	0	0	0	12
Kern	3	6	6	0	0	0	6
Kern	5	16	16	0	0	0	16
Kern	8	10	5	5	0	0	8
Kern	9	36	30	0	6	0	32
Kern	10	14	14	0	0	0	14
Kern	11	56	33	15	0	0	41
Kern	14	6	0	6	0	0	3
Kern	15	7	0	0	0	0	0
Kern	19	8	8	0	0	0	8
Kern	20	9	9	0	0	0	9
Kern	26	8	0	8	0	0	4
Kern	27	7	7	0	0	0	7
Kern	33	7	7	0	0	0	7
Kings	1	8	0	0	8	0	2
Kings	2	6	0	0	0	0	0
Kings	6	6	6	0	0	0	6

Table A-1
External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Kings	8	8	8	0	0	0	8
Kings	9	7	7	0	0	0	7
Kings	10	7	7	0	0	0	7
Kings	17	13	13	0	0	0	13
Kings	18	101	60	20	0	0	71
Kings	19	6	0	0	6	0	2
Kings	25	10	10	0	0	0	10
Kings	26	11	11	0	0	0	11
Lake	unk	369	164	79	113	0	236
Lake	1	54	54	0	0	0	54
Lake	2	24	8	16	0	0	17
Lake	3	26	17	0	0	0	17
Lake	4	9	0	0	0	0	0
Lake	5	27	14	13	0	0	21
Lake	6	12	12	0	0	0	12
Lake	9	32	32	0	0	0	32
Lake	10	20	20	0	0	0	20
Lake	12	13	13	0	0	0	13
Lake	13	4	0	4	0	0	2
Lake	15	23	23	0	0	0	23
Lake	16	11	0	11	0	0	6
Lake	17	43	30	13	0	0	37
Lake	18	41	18	23	0	0	30
Lake	20	9	9	0	0	0	9
Lake	21	19	19	0	0	0	19
Lake	22	9	9	0	0	0	9
Lake	23	33	16	0	0	17	16
Lake	24	18	18	0	0	0	18
Lake	25	28	16	5	0	0	19
Lake	26	11	11	0	0	0	11
Lake	27	106	93	7	0	0	97
Lake	28	149	105	36	8	0	127
Lake	29	118	94	24	0	0	107
Lake	30	438	294	113	12	0	357
Lake	31	65	34	11	0	0	40
Lake	32	30	30	0	0	0	30
Lake	33	33	33	0	0	0	33
Lake	34	26	26	0	0	0	26
Lassen	1	7	7	0	0	0	7
Lassen	10	7	7	0	0	0	7
Lassen	11	6	6	0	0	0	6
Lassen	13	7	7	0	0	0	7
Lassen	26	6	6	0	0	0	6
Los Angeles	unk	5	5	0	0	0	5
Los Angeles	1	1,146	544	81	92	136	613

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Los Angeles	2	115	67	0	0	40	67
Los Angeles	3	131	56	23	11	24	72
Los Angeles	4	47	8	7	0	16	12
Los Angeles	5	1,275	883	121	132	79	985
Los Angeles	6	176	105	32	10	8	123
Los Angeles	7	248	190	25	9	0	206
Los Angeles	8	110	72	0	0	15	72
Los Angeles	9	388	313	19	19	0	329
Los Angeles	10	106	55	13	0	0	62
Los Angeles	11	130	78	28	0	0	93
Los Angeles	12	24	12	0	12	0	13
Los Angeles	13	8	8	0	0	0	8
Los Angeles	14	21	13	0	0	0	13
Los Angeles	15	83	53	14	0	0	60
Los Angeles	16	137	99	16	0	10	107
Los Angeles	17	136	88	6	6	24	93
Los Angeles	18	446	235	100	61	32	306
Los Angeles	19	194	67	18	0	30	76
Los Angeles	20	51	28	7	16	0	36
Los Angeles	21	174	143	19	6	0	154
Los Angeles	22	131	59	19	16	22	74
Los Angeles	23	8	8	0	0	0	8
Los Angeles	24	52	39	4	0	0	41
Los Angeles	25	26	14	0	0	0	14
Los Angeles	26	40	33	0	0	0	33
Los Angeles	28	26	7	19	0	0	17
Los Angeles	29	35	19	0	0	0	19
Los Angeles	30	46	37	9	0	0	42
Los Angeles	33	66	28	11	0	27	34
Los Angeles	34	16	16	0	0	0	16
Madera	1	15	9	6	0	0	12
Madera	2	11	11	0	0	0	11
Madera	3	6	6	0	0	0	6
Madera	9	13	0	13	0	0	7
Madera	10	19	9	0	10	0	10
Madera	11	37	28	9	0	0	33
Madera	12	27	15	12	0	0	21
Madera	13	7	0	0	7	0	2
Madera	14	19	19	0	0	0	19
Madera	15	8	0	8	0	0	4
Madera	16	12	12	0	0	0	12
Madera	17	17	17	0	0	0	17
Madera	18	8	8	0	0	0	8
Madera	21	7	7	0	0	0	7
Madera	22	7	7	0	0	0	7

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Madera	24	7	7	0	0	0	7
Madera	25	7	7	0	0	0	7
Madera	26	9	0	9	0	0	5
Madera	32	12	12	0	0	0	12
Madera	33	12	12	0	0	0	12
Mariposa	1	8	0	0	0	0	0
Mariposa	5	10	10	0	0	0	10
Mariposa	7	5	5	0	0	0	5
Mariposa	9	6	6	0	0	0	6
Mariposa	12	7	7	0	0	0	7
Mariposa	15	5	5	0	0	0	5
Mariposa	17	20	20	0	0	0	20
Mariposa	23	6	6	0	0	0	6
Mariposa	34	9	0	9	0	0	5
Mendocino	unk	400	327	47	11	0	354
Mendocino	1	53	45	8	0	0	49
Mendocino	2	22	22	0	0	0	22
Mendocino	4	8	8	0	0	0	8
Mendocino	5	35	35	0	0	0	35
Mendocino	6	21	5	0	4	0	6
Mendocino	7	42	17	0	25	0	25
Mendocino	9	9	0	0	9	0	3
Mendocino	10	17	9	8	0	0	13
Mendocino	14	5	5	0	0	0	5
Mendocino	15	12	12	0	0	0	12
Mendocino	17	12	0	12	0	0	6
Mendocino	18	19	19	0	0	0	19
Mendocino	19	24	24	0	0	0	24
Mendocino	20	5	0	0	0	0	0
Mendocino	21	11	11	0	0	0	11
Mendocino	22	18	12	0	6	0	14
Mendocino	24	8	0	0	0	0	0
Mendocino	25	13	5	8	0	0	9
Mendocino	27	22	22	0	0	0	22
Mendocino	28	27	27	0	0	0	27
Mendocino	29	58	35	19	0	0	45
Mendocino	30	198	144	51	0	0	171
Mendocino	31	83	45	6	19	0	54
Mendocino	32	28	28	0	0	0	28
Mendocino	33	42	27	0	0	0	27
Mendocino	34	10	10	0	0	0	10
Merced	unk	6	6	0	0	0	6
Merced	1	30	13	0	17	0	17
Merced	2	7	0	0	7	0	2
Merced	3	14	14	0	0	0	14

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Merced	5	11	11	0	0	0	11
Merced	6	12	6	0	6	0	8
Merced	7	34	34	0	0	0	34
Merced	8	40	40	0	0	0	40
Merced	9	138	112	26	0	0	126
Merced	10	65	65	0	0	0	65
Merced	11	107	71	31	0	0	88
Merced	12	71	26	9	36	0	42
Merced	13	83	72	11	0	0	78
Merced	14	178	123	44	0	0	146
Merced	15	26	17	9	0	0	22
Merced	16	36	20	0	16	0	24
Merced	17	38	19	19	0	0	29
Merced	18	21	13	0	0	0	13
Merced	19	32	0	0	6	26	2
Merced	21	19	19	0	0	0	19
Merced	22	9	9	0	0	0	9
Merced	25	6	6	0	0	0	6
Merced	26	16	16	0	0	0	16
Merced	27	11	11	0	0	0	11
Merced	28	4	4	0	0	0	4
Merced	30	15	15	0	0	0	15
Modoc	10	3	0	3	0	0	2
Modoc	19	2	0	0	0	0	0
Modoc	25	4	4	0	0	0	4
Modoc	29	8	8	0	0	0	8
Mono	18	5	5	0	0	0	5
Mono	33	6	0	0	0	0	0
Monterey	unk	8	8	0	0	0	8
Monterey	1	66	57	0	0	9	57
Monterey	2	12	12	0	0	0	12
Monterey	3	22	22	0	0	0	22
Monterey	4	20	20	0	0	0	20
Monterey	5	72	72	0	0	0	72
Monterey	6	54	40	0	0	0	40
Monterey	7	47	41	6	0	0	44
Monterey	8	75	67	8	0	0	71
Monterey	9	603	413	190	0	0	511
Monterey	10	264	207	40	9	8	231
Monterey	11	374	285	68	15	0	326
Monterey	12	256	161	79	0	0	203
Monterey	13	198	106	70	14	8	147
Monterey	14	641	536	77	19	0	584
Monterey	15	58	42	16	0	0	51
Monterey	16	75	65	10	0	0	70

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Monterey	17	15	15	0	0	0	15
Monterey	18	36	27	9	0	0	32
Monterey	19	62	44	0	0	0	44
Monterey	20	24	10	14	0	0	17
Monterey	21	41	33	0	0	0	33
Monterey	22	18	18	0	0	0	18
Monterey	26	18	12	0	6	0	14
Monterey	27	7	0	7	0	0	4
Monterey	28	9	0	9	0	0	5
Monterey	33	12	5	7	0	0	9
Nevada	unk	12	12	0	0	0	12
Nevada	1	62	31	0	0	6	31
Nevada	2	10	10	0	0	0	10
Nevada	5	32	21	11	0	0	27
Nevada	6	12	12	0	0	0	12
Nevada	7	24	24	0	0	0	24
Nevada	8	33	33	0	0	0	33
Nevada	9	59	51	8	0	0	55
Nevada	10	21	21	0	0	0	21
Nevada	11	9	9	0	0	0	9
Nevada	12	28	28	0	0	0	28
Nevada	13	11	11	0	0	0	11
Nevada	14	8	8	0	0	0	8
Nevada	15	18	18	0	0	0	18
Nevada	16	11	11	0	0	0	11
Nevada	17	15	15	0	0	0	15
Nevada	18	29	21	8	0	0	25
Nevada	19	11	11	0	0	0	11
Nevada	20	19	19	0	0	0	19
Nevada	21	12	6	0	0	0	6
Nevada	22	23	17	6	0	0	20
Nevada	24	7	7	0	0	0	7
Nevada	25	20	20	0	0	0	20
Nevada	26	11	6	5	0	0	9
Nevada	27	9	9	0	0	0	9
Nevada	29	10	10	0	0	0	10
Nevada	30	20	15	0	0	0	15
Nevada	33	24	15	0	9	0	18
Orange	unk	9	0	9	0	0	5
Orange	1	249	110	24	0	43	123
Orange	2	7	7	0	0	0	7
Orange	4	6	0	0	0	0	0
Orange	5	144	91	12	8	15	99
Orange	6	47	21	17	0	0	30
Orange	7	34	6	0	0	0	6

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Orange	8	74	53	0	8	0	55
Orange	9	196	142	11	0	16	148
Orange	10	34	34	0	0	0	34
Orange	11	14	14	0	0	0	14
Orange	12	23	23	0	0	0	23
Orange	14	11	0	0	0	0	0
Orange	16	9	0	0	0	0	0
Orange	17	26	26	0	0	0	26
Orange	18	20	20	0	0	0	20
Orange	19	57	33	0	0	10	33
Orange	20	50	29	0	21	0	36
Orange	21	64	26	21	7	0	40
Orange	22	7	7	0	0	0	7
Orange	23	21	21	0	0	0	21
Orange	24	34	34	0	0	0	34
Orange	26	14	0	0	0	0	0
Orange	28	11	11	0	0	0	11
Orange	29	18	8	6	0	0	11
Orange	30	24	16	8	0	0	20
Orange	33	17	8	9	0	0	13
Placer	unk	15	15	0	0	0	15
Placer	1	64	39	6	0	0	42
Placer	2	20	11	9	0	0	16
Placer	3	32	12	7	0	13	16
Placer	5	72	72	0	0	0	72
Placer	6	32	32	0	0	0	32
Placer	7	35	35	0	0	0	35
Placer	8	11	11	0	0	0	11
Placer	9	106	106	0	0	0	106
Placer	10	13	13	0	0	0	13
Placer	11	47	47	0	0	0	47
Placer	12	34	34	0	0	0	34
Placer	14	15	15	0	0	0	15
Placer	15	46	32	14	0	0	39
Placer	16	12	0	12	0	0	6
Placer	17	35	26	9	0	0	31
Placer	18	71	64	0	0	0	64
Placer	19	27	19	8	0	0	23
Placer	20	17	8	9	0	0	13
Placer	21	124	79	15	20	0	93
Placer	22	34	16	18	0	0	26
Placer	23	54	54	0	0	0	54
Placer	24	15	15	0	0	0	15
Placer	25	48	48	0	0	0	48
Placer	26	199	164	35	0	0	182

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Placer	27	32	32	0	0	0	32
Placer	29	2	2	0	0	0	2
Placer	33	7	7	0	0	0	7
Plumas	1	9	9	0	0	0	9
Plumas	6	3	3	0	0	0	3
Plumas	8	8	8	0	0	0	8
Plumas	10	2	0	2	0	0	1
Plumas	19	4	0	4	0	0	2
Plumas	21	5	5	0	0	0	5
Plumas	25	8	8	0	0	0	8
Plumas	28	13	13	0	0	0	13
Riverside	1	60	31	11	2	7	38
Riverside	2	16	0	9	7	0	7
Riverside	3	9	7	0	0	0	7
Riverside	4	2	0	0	2	0	1
Riverside	5	16	8	8	0	0	12
Riverside	6	17	17	0	0	0	17
Riverside	7	14	14	0	0	0	14
Riverside	8	13	0	13	0	0	7
Riverside	9	51	30	0	21	0	33
Riverside	10	16	16	0	0	0	16
Riverside	11	14	14	0	0	0	14
Riverside	12	12	12	0	0	0	12
Riverside	14	29	26	3	0	0	28
Riverside	15	18	18	0	0	0	18
Riverside	16	10	10	0	0	0	10
Riverside	17	25	25	0	0	0	25
Riverside	18	18	18	0	0	0	18
Riverside	20	10	10	0	0	0	10
Riverside	21	9	9	0	0	0	9
Riverside	22	9	9	0	0	0	9
Riverside	23	9	9	0	0	0	9
Riverside	24	9	0	9	0	0	5
Riverside	28	21	0	0	8	0	2
Riverside	29	10	10	0	0	0	10
Riverside	33	12	12	0	0	0	12
Riverside	34	8	0	8	0	0	4
Sacramento	unk	22	22	0	0	0	22
Sacramento	1	802	505	59	121	98	552
Sacramento	2	163	122	14	10	12	131
Sacramento	3	203	133	37	19	8	156
Sacramento	4	56	47	9	0	0	52
Sacramento	5	348	249	47	43	0	279
Sacramento	6	71	65	0	0	6	65
Sacramento	7	64	58	0	6	0	60

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Sacramento	8	69	45	24	0	0	57
Sacramento	9	555	489	24	42	0	514
Sacramento	10	138	106	7	9	0	113
Sacramento	11	184	159	11	0	14	165
Sacramento	12	95	88	7	0	0	92
Sacramento	13	48	48	0	0	0	48
Sacramento	14	73	62	11	0	0	68
Sacramento	15	400	304	56	32	8	340
Sacramento	16	117	93	13	0	0	100
Sacramento	17	259	127	94	32	0	186
Sacramento	18	619	439	78	65	14	496
Sacramento	19	114	74	5	11	0	79
Sacramento	20	240	217	6	10	0	223
Sacramento	21	436	264	104	41	2	331
Sacramento	22	230	147	69	14	0	187
Sacramento	23	173	110	36	27	0	132
Sacramento	24	156	130	26	0	0	145
Sacramento	25	678	488	119	57	0	566
Sacramento	26	2,147	1,639	431	69	3	1,883
Sacramento	27	172	152	11	9	0	160
Sacramento	28	21	13	8	0	0	17
Sacramento	29	29	14	15	0	0	22
Sacramento	30	18	11	0	0	0	11
Sacramento	31	17	9	0	8	0	12
Sacramento	32	50	37	13	0	0	44
Sacramento	33	51	51	0	0	0	51
Sacramento	34	80	41	24	15	0	57
San Benito	1	17	16	1	0	0	17
San Benito	5	21	6	15	0	0	14
San Benito	7	44	21	17	0	0	30
San Benito	8	75	28	20	20	0	45
San Benito	9	502	383	101	12	0	442
San Benito	10	294	231	49	14	0	262
San Benito	11	432	334	79	19	0	383
San Benito	12	225	160	31	27	0	185
San Benito	13	310	228	58	24	0	268
San Benito	14	1,930	1,537	328	53	0	1,721
San Benito	15	51	29	10	12	0	38
San Benito	16	34	34	0	0	0	34
San Benito	17	14	14	0	0	0	14
San Benito	18	1	1	0	0	0	1
San Benito	19	14	14	0	0	0	14
San Benito	21	6	6	0	0	0	6
San Benito	22	1	1	0	0	0	1
San Benito	23	8	8	0	0	0	8

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
San Bernardino	1	72	53	9	0	0	58
San Bernardino	3	7	0	0	0	7	0
San Bernardino	4	16	11	0	0	0	11
San Bernardino	5	56	30	15	11	0	42
San Bernardino	7	14	14	0	0	0	14
San Bernardino	9	27	25	0	0	0	25
San Bernardino	10	19	9	0	0	0	9
San Bernardino	11	37	37	0	0	0	37
San Bernardino	12	5	0	5	0	0	3
San Bernardino	13	8	8	0	0	0	8
San Bernardino	14	8	0	0	0	0	0
San Bernardino	15	16	0	0	0	0	0
San Bernardino	17	34	28	6	0	0	31
San Bernardino	18	7	0	7	0	0	4
San Bernardino	19	19	0	0	0	0	0
San Bernardino	21	8	8	0	0	0	8
San Bernardino	22	8	8	0	0	0	8
San Bernardino	23	16	16	0	0	0	16
San Bernardino	24	13	13	0	0	0	13
San Bernardino	25	7	0	0	7	0	2
San Bernardino	26	9	0	0	0	0	0
San Bernardino	28	11	0	0	0	0	0
San Bernardino	29	6	6	0	0	0	6
San Bernardino	30	9	9	0	0	0	9
San Bernardino	32	13	13	0	0	0	13
San Bernardino	34	18	18	0	0	0	18
San Diego	1	979	475	82	29	112	525
San Diego	2	203	69	51	5	24	96
San Diego	3	198	104	20	0	13	115
San Diego	4	25	12	13	0	0	19
San Diego	5	153	18	16	0	27	26
San Diego	6	120	61	15	7	0	71
San Diego	7	309	197	34	10	7	218
San Diego	8	59	47	0	0	0	47
San Diego	9	129	112	7	0	10	116
San Diego	10	53	23	23	0	0	35
San Diego	11	6	6	0	0	0	6
San Diego	12	20	10	0	0	0	10
San Diego	13	10	10	0	0	0	10
San Diego	15	32	22	0	0	0	22
San Diego	16	42	32	0	0	10	32
San Diego	17	23	5	7	0	0	9
San Diego	18	236	125	64	0	24	158
San Diego	19	82	28	9	0	16	33
San Diego	20	23	23	0	0	0	23

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
San Diego	21	18	18	0	0	0	18
San Diego	22	18	8	0	0	0	8
San Diego	23	38	29	0	0	9	29
San Diego	24	11	11	0	0	0	11
San Diego	25	73	23	0	0	0	23
San Diego	26	16	16	0	0	0	16
San Diego	27	19	11	8	0	0	15
San Diego	28	4	0	0	0	0	0
San Diego	29	16	0	7	0	0	4
San Diego	30	6	6	0	0	0	6
San Diego	33	11	11	0	0	0	11
San Joaquin	1	530	218	89	159	40	291
San Joaquin	2	95	56	25	12	0	71
San Joaquin	3	97	48	41	8	0	73
San Joaquin	4	34	26	0	0	8	26
San Joaquin	5	371	155	102	114	0	231
San Joaquin	6	129	86	29	14	0	107
San Joaquin	7	255	162	74	19	0	206
San Joaquin	8	149	72	55	22	0	107
San Joaquin	9	1,831	1,005	576	244	0	1,368
San Joaquin	10	298	191	99	8	0	247
San Joaquin	11	473	352	86	35	0	411
San Joaquin	12	422	266	103	53	0	334
San Joaquin	13	106	48	33	25	0	72
San Joaquin	14	101	55	35	11	0	77
San Joaquin	15	7,267	4,604	1,768	755	79	5,688
San Joaquin	16	1,327	902	231	168	10	1,073
San Joaquin	17	2,169	1,590	429	145	0	1,853
San Joaquin	18	1,120	809	188	115	0	938
San Joaquin	19	119	88	7	12	12	96
San Joaquin	20	180	127	30	23	0	151
San Joaquin	21	671	519	94	58	0	580
San Joaquin	22	349	264	46	39	0	300
San Joaquin	23	904	643	161	100	0	749
San Joaquin	24	723	501	154	68	0	595
San Joaquin	25	216	149	23	44	0	173
San Joaquin	26	229	185	44	0	0	209
San Joaquin	27	44	25	19	0	0	35
San Joaquin	28	6	0	0	0	0	0
San Joaquin	30	7	7	0	0	0	7
San Joaquin	33	41	21	10	10	0	27
San Joaquin	34	54	39	15	0	0	47
San Luis Obispo	1	27	10	0	0	8	10
San Luis Obispo	2	8	0	8	0	0	4
San Luis Obispo	3	6	0	0	0	6	0

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
San Luis Obispo	5	38	38	0	0	0	38
San Luis Obispo	6	9	9	0	0	0	9
San Luis Obispo	7	23	16	7	0	0	20
San Luis Obispo	9	95	66	29	0	0	81
San Luis Obispo	10	42	42	0	0	0	42
San Luis Obispo	11	14	14	0	0	0	14
San Luis Obispo	12	6	6	0	0	0	6
San Luis Obispo	14	7	7	0	0	0	7
San Luis Obispo	15	22	15	0	7	0	16
San Luis Obispo	18	10	0	0	0	0	0
San Luis Obispo	19	7	7	0	0	0	7
San Luis Obispo	20	20	14	0	0	6	14
San Luis Obispo	21	9	0	9	0	0	5
San Luis Obispo	22	13	13	0	0	0	13
San Luis Obispo	23	8	8	0	0	0	8
San Luis Obispo	24	7	7	0	0	0	7
San Luis Obispo	29	8	0	8	0	0	4
San Luis Obispo	30	7	7	0	0	0	7
San Luis Obispo	34	8	8	0	0	0	8
Santa Barbara	1	31	13	0	0	10	13
Santa Barbara	2	16	0	5	0	0	3
Santa Barbara	5	93	72	21	0	0	84
Santa Barbara	6	18	8	0	0	0	8
Santa Barbara	8	8	8	0	0	0	8
Santa Barbara	9	43	37	6	0	0	40
Santa Barbara	10	13	6	7	0	0	10
Santa Barbara	11	20	0	14	0	6	8
Santa Barbara	13	9	9	0	0	0	9
Santa Barbara	14	11	11	0	0	0	11
Santa Barbara	15	13	13	0	0	0	13
Santa Barbara	17	6	6	0	0	0	6
Santa Barbara	18	23	17	6	0	0	20
Santa Barbara	19	17	12	0	0	0	12
Santa Barbara	21	11	11	0	0	0	11
Santa Barbara	22	9	9	0	0	0	9
Santa Barbara	23	7	7	0	0	0	7
Santa Barbara	26	17	11	6	0	0	14
Santa Barbara	32	9	9	0	0	0	9
Santa Barbara	33	7	7	0	0	0	7
Santa Cruz	unk	7	7	0	0	0	7
Santa Cruz	1	320	211	50	12	18	242
Santa Cruz	2	53	53	0	0	0	53
Santa Cruz	3	89	74	15	0	0	82
Santa Cruz	4	8	0	8	0	0	4
Santa Cruz	5	281	166	86	17	0	214

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Santa Cruz	6	160	160	0	0	0	160
Santa Cruz	7	932	630	163	119	0	748
Santa Cruz	8	1,278	974	183	77	34	1,088
Santa Cruz	9	6,171	4,673	1,074	313	62	5,307
Santa Cruz	10	4,012	3,212	605	132	40	3,565
Santa Cruz	11	3,241	2,555	484	112	45	2,834
Santa Cruz	12	1,528	1,217	244	47	10	1,358
Santa Cruz	13	733	533	143	57	0	624
Santa Cruz	14	730	590	78	49	0	644
Santa Cruz	15	96	96	0	0	0	96
Santa Cruz	16	355	317	24	9	0	332
Santa Cruz	17	108	96	6	6	0	101
Santa Cruz	18	100	79	9	0	0	84
Santa Cruz	19	53	39	7	0	7	43
Santa Cruz	20	37	12	0	10	0	15
Santa Cruz	21	110	77	28	5	0	94
Santa Cruz	22	53	40	9	0	0	45
Santa Cruz	23	38	38	0	0	0	38
Santa Cruz	24	25	17	8	0	0	21
Santa Cruz	25	11	11	0	0	0	11
Santa Cruz	26	9	9	0	0	0	9
Santa Cruz	28	5	0	0	0	0	0
Santa Cruz	32	11	11	0	0	0	11
Santa Cruz	33	8	8	0	0	0	8
Santa Cruz	34	34	27	0	0	0	27
Shasta	unk	18	13	0	0	0	13
Shasta	1	13	7	6	0	0	10
Shasta	2	7	0	0	0	0	0
Shasta	3	15	9	6	0	0	12
Shasta	4	5	5	0	0	0	5
Shasta	5	41	35	0	0	0	35
Shasta	6	12	12	0	0	0	12
Shasta	7	22	16	0	0	0	16
Shasta	8	24	24	0	0	0	24
Shasta	9	25	16	0	0	0	16
Shasta	10	15	7	0	0	0	7
Shasta	11	50	41	9	0	0	46
Shasta	13	14	14	0	0	0	14
Shasta	15	35	26	9	0	0	31
Shasta	16	7	7	0	0	0	7
Shasta	17	35	21	8	6	0	26
Shasta	18	15	15	0	0	0	15
Shasta	20	10	10	0	0	0	10
Shasta	21	17	17	0	0	0	17
Shasta	22	28	28	0	0	0	28

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External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Shasta	24	21	14	7	0	0	18
Shasta	25	31	24	7	0	0	28
Shasta	26	7	7	0	0	0	7
Shasta	27	12	12	0	0	0	12
Shasta	28	5	5	0	0	0	5
Shasta	30	21	15	0	0	6	15
Shasta	31	6	0	0	0	0	0
Shasta	34	22	13	9	0	0	18
Sierra	18	9	9	0	0	0	9
Sierra	19	9	9	0	0	0	9
Siskiyou	unk	5	0	2	0	0	1
Siskiyou	1	7	7	0	0	0	7
Siskiyou	2	7	7	0	0	0	7
Siskiyou	3	5	5	0	0	0	5
Siskiyou	5	6	0	6	0	0	3
Siskiyou	6	8	8	0	0	0	8
Siskiyou	9	4	2	0	0	0	2
Siskiyou	15	3	3	0	0	0	3
Siskiyou	17	7	7	0	0	0	7
Siskiyou	31	13	0	13	0	0	7
Stanislaus	unk	22	16	6	0	0	19
Stanislaus	1	204	166	31	7	0	183
Stanislaus	2	65	49	0	16	0	53
Stanislaus	3	103	61	31	11	0	80
Stanislaus	4	8	0	8	0	0	4
Stanislaus	5	109	75	24	10	0	89
Stanislaus	6	163	98	14	33	0	113
Stanislaus	7	266	148	75	43	0	200
Stanislaus	8	208	124	53	31	0	159
Stanislaus	9	1,655	775	534	318	0	1,121
Stanislaus	10	348	189	124	35	0	262
Stanislaus	11	613	432	139	35	0	512
Stanislaus	12	533	317	162	42	0	413
Stanislaus	13	117	57	60	0	0	89
Stanislaus	14	131	66	49	16	0	96
Stanislaus	15	1,852	1,118	486	215	14	1,422
Stanislaus	16	901	566	294	41	0	734
Stanislaus	17	1,417	787	490	116	0	1,072
Stanislaus	18	548	304	154	90	0	410
Stanislaus	19	223	102	31	72	0	139
Stanislaus	20	38	31	7	0	0	35
Stanislaus	21	89	51	38	0	0	71
Stanislaus	22	214	111	89	14	0	162
Stanislaus	23	229	136	23	55	0	161
Stanislaus	24	75	44	15	16	0	57

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Stanislaus	25	20	20	0	0	0	20
Stanislaus	26	53	53	0	0	0	53
Stanislaus	27	61	61	0	0	0	61
Stanislaus	30	5	5	0	0	0	5
Stanislaus	31	8	0	0	0	0	0
Stanislaus	32	10	10	0	0	0	10
Stanislaus	33	38	15	14	9	0	25
Sutter	3	14	14	0	0	0	14
Sutter	5	15	8	7	0	0	12
Sutter	8	4	4	0	0	0	4
Sutter	9	7	7	0	0	0	7
Sutter	10	10	10	0	0	0	10
Sutter	11	17	17	0	0	0	17
Sutter	12	4	4	0	0	0	4
Sutter	15	14	14	0	0	0	14
Sutter	17	11	11	0	0	0	11
Sutter	18	13	13	0	0	0	13
Sutter	19	25	9	0	7	0	11
Sutter	21	5	5	0	0	0	5
Sutter	23	23	23	0	0	0	23
Sutter	25	37	26	11	0	0	32
Sutter	26	57	31	19	7	0	43
Tehama	unk	9	9	0	0	0	9
Tehama	1	7	0	0	0	0	0
Tehama	2	6	6	0	0	0	6
Tehama	5	16	9	7	0	0	13
Tehama	6	8	8	0	0	0	8
Tehama	7	13	5	8	0	0	9
Tehama	8	5	5	0	0	0	5
Tehama	9	51	32	11	0	8	38
Tehama	10	6	6	0	0	0	6
Tehama	15	18	14	4	0	0	16
Tehama	17	17	0	17	0	0	9
Tehama	18	12	5	0	7	0	7
Tehama	20	19	19	0	0	0	19
Tehama	21	7	7	0	0	0	7
Tehama	22	16	16	0	0	0	16
Tehama	23	7	7	0	0	0	7
Tehama	24	18	18	0	0	0	18
Tehama	25	19	17	0	2	0	18
Tehama	26	22	22	0	0	0	22
Tehama	28	9	9	0	0	0	9
Tehama	29	6	6	0	0	0	6
Tehama	30	7	7	0	0	0	7
Tehama	31	5	5	0	0	0	5

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Tehama	32	5	0	5	0	0	3
Tehama	33	14	6	0	0	0	6
Trinity	1	7	7	0	0	0	7
Trinity	3	12	12	0	0	0	12
Trinity	9	5	5	0	0	0	5
Trinity	15	6	6	0	0	0	6
Trinity	18	7	0	7	0	0	4
Trinity	33	6	6	0	0	0	6
Tulare	1	7	7	0	0	0	7
Tulare	9	12	5	0	0	0	5
Tulare	10	62	51	0	11	0	55
Tulare	12	12	7	0	5	0	9
Tulare	14	8	0	8	0	0	4
Tulare	16	22	0	0	22	0	5
Tulare	18	16	16	0	0	0	16
Tulare	19	13	5	0	0	0	5
Tulare	20	7	7	0	0	0	7
Tulare	22	7	7	0	0	0	7
Tulare	25	8	0	0	8	0	2
Tulare	28	6	0	0	0	0	0
Tuolumne	unk	25	22	3	0	0	24
Tuolumne	1	5	5	0	0	0	5
Tuolumne	2	4	4	0	0	0	4
Tuolumne	5	41	41	0	0	0	41
Tuolumne	7	8	0	0	0	0	0
Tuolumne	8	28	28	0	0	0	28
Tuolumne	9	61	61	0	0	0	61
Tuolumne	10	6	6	0	0	0	6
Tuolumne	11	13	13	0	0	0	13
Tuolumne	12	8	0	0	0	0	0
Tuolumne	13	13	13	0	0	0	13
Tuolumne	14	14	14	0	0	0	14
Tuolumne	15	39	33	0	6	0	35
Tuolumne	16	8	8	0	0	0	8
Tuolumne	17	40	40	0	0	0	40
Tuolumne	18	45	20	0	25	0	28
Tuolumne	19	15	15	0	0	0	15
Tuolumne	20	7	7	0	0	0	7
Tuolumne	21	11	11	0	0	0	11
Tuolumne	22	11	11	0	0	0	11
Tuolumne	23	28	28	0	0	0	28
Tuolumne	24	13	7	0	0	0	7
Tuolumne	26	5	5	0	0	0	5
Tuolumne	28	9	0	0	9	0	2
Tuolumne	29	65	52	13	0	0	59

Table A-1
External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Tuolumne	34	12	10	2	0	0	11
Ventura	1	54	36	8	0	0	40
Ventura	3	43	39	0	4	0	40
Ventura	4	8	0	0	0	0	0
Ventura	5	2,258	1,858	278	91	0	2,028
Ventura	6	7	7	0	0	0	7
Ventura	7	161	128	11	22	0	140
Ventura	8	5	0	0	5	0	2
Ventura	9	60	44	8	8	0	51
Ventura	11	27	7	20	0	0	17
Ventura	14	11	11	0	0	0	11
Ventura	15	4	4	0	0	0	4
Ventura	16	17	8	0	0	0	8
Ventura	17	15	9	6	0	0	12
Ventura	18	69	34	25	0	4	47
Ventura	19	13	6	7	0	0	10
Ventura	21	22	22	0	0	0	22
Ventura	23	24	15	9	0	0	20
Ventura	24	48	29	19	0	0	39
Ventura	25	15	9	0	0	0	9
Ventura	26	6	6	0	0	0	6
Ventura	29	7	7	0	0	0	7
Ventura	30	17	4	0	13	0	7
Ventura	33	12	12	0	0	0	12
Ventura	34	7	7	0	0	0	7
Yolo	unk	7	0	7	0	0	4
Yolo	1	123	75	6	36	6	86
Yolo	2	42	18	13	0	11	25
Yolo	3	27	17	10	0	0	22
Yolo	4	5	5	0	0	0	5
Yolo	5	73	43	20	0	0	54
Yolo	6	13	13	0	0	0	13
Yolo	7	19	19	0	0	0	19
Yolo	8	65	50	0	0	0	50
Yolo	9	36	28	0	0	0	28
Yolo	10	7	7	0	0	0	7
Yolo	11	13	0	13	0	0	7
Yolo	14	18	18	0	0	0	18
Yolo	15	40	40	0	0	0	40
Yolo	16	33	28	5	0	0	31
Yolo	17	27	22	0	0	5	22
Yolo	18	63	57	6	0	0	60
Yolo	19	86	57	0	12	17	59
Yolo	20	66	59	0	7	0	60
Yolo	21	129	106	6	0	0	109

Table A-1

External California County to Bay Area Superdistricts Commuters
by Means of Transportation - 1990 Census CTPP/UE

External County of Residence	MTC Superdist of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
Yolo	22	98	72	18	0	0	82
Yolo	23	18	9	9	0	0	14
Yolo	24	15	15	0	0	0	15
Yolo	25	622	500	82	4	0	545
Yolo	26	1,662	1,333	277	38	0	1,490
Yolo	27	114	77	7	22	0	89
Yolo	28	31	31	0	0	0	31
Yolo	29	28	28	0	0	0	28
Yolo	30	8	8	0	0	0	8
Yolo	32	4	4	0	0	0	4
Yolo	33	21	13	8	0	0	17
Yolo	34	13	13	0	0	0	13
Yuba	1	19	0	0	0	10	0
Yuba	2	42	42	0	0	0	42
Yuba	3	10	10	0	0	0	10
Yuba	4	8	8	0	0	0	8
Yuba	7	7	7	0	0	0	7
Yuba	8	8	8	0	0	0	8
Yuba	9	7	7	0	0	0	7
Yuba	11	23	0	23	0	0	12
Yuba	12	6	6	0	0	0	6
Yuba	13	6	0	6	0	0	3
Yuba	15	13	7	6	0	0	10
Yuba	17	9	9	0	0	0	9
Yuba	18	27	9	18	0	0	19
Yuba	21	8	0	0	0	0	0
Yuba	22	1	1	0	0	0	1
Yuba	25	31	23	2	6	0	26
Yuba	26	20	20	0	0	0	20
Yuba	29	11	11	0	0	0	11
Yuba	33	6	0	6	0	0	3

Table A-2
Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
11	Alpine	8	8	0	0	0	8
17	Alpine	8	8	0	0	0	8
5	Amador	7	7	0	0	0	7
6	Amador	9	9	0	0	0	9
12	Amador	9	0	9	0	0	5
21	Amador	11	0	11	0	0	6
22	Amador	21	21	0	0	0	21
24	Amador	7	0	0	7	0	2
26	Amador	9	9	0	0	0	9
28	Amador	6	6	0	0	0	6
3	Butte	49	0	20	29	0	18
6	Butte	15	15	0	0	0	15
7	Butte	16	0	0	0	0	0
9	Butte	12	12	0	0	0	12
11	Butte	25	15	0	0	0	15
13	Butte	16	7	9	0	0	12
15	Butte	9	9	0	0	0	9
17	Butte	5	0	0	5	0	2
18	Butte	5	5	0	0	0	5
19	Butte	6	6	0	0	0	6
22	Butte	18	9	9	0	0	14
23	Butte	11	11	0	0	0	11
26	Butte	35	35	0	0	0	35
27	Butte	6	0	0	0	6	0
5	Calaveras	8	8	0	0	0	8
10	Calaveras	5	5	0	0	0	5
13	Calaveras	7	0	7	0	0	4
15	Calaveras	6	0	6	0	0	3
18	Calaveras	12	0	12	0	0	6
25	Calaveras	10	10	0	0	0	10
29	Calaveras	10	10	0	0	0	10
32	Calaveras	5	5	0	0	0	5
3	Colusa	7	7	0	0	0	7
5	Colusa	17	7	0	0	10	7
6	Colusa	70	70	0	0	0	70
7	Colusa	10	10	0	0	0	10
17	Colusa	5	5	0	0	0	5
25	Colusa	7	7	0	0	0	7
26	Colusa	8	8	0	0	0	8
2	Del Norte	9	9	0	0	0	9
19	Del Norte	19	7	12	0	0	13
26	Del Norte	7	7	0	0	0	7
3	El Dorado	7	7	0	0	0	7
7	El Dorado	3	3	0	0	0	3
13	El Dorado	10	10	0	0	0	10

Table A-2
 Bay Area Superdistricts to External California County Commuters
 by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
15	El Dorado	8	8	0	0	0	8
18	El Dorado	10	4	6	0	0	7
19	El Dorado	9	9	0	0	0	9
22	El Dorado	23	23	0	0	0	23
24	El Dorado	8	0	0	0	0	0
25	El Dorado	7	0	0	7	0	2
26	El Dorado	8	0	8	0	0	4
27	El Dorado	18	9	9	0	0	14
29	El Dorado	6	0	6	0	0	3
30	El Dorado	5	5	0	0	0	5
33	El Dorado	7	7	0	0	0	7
1	Fresno	10	0	10	0	0	5
2	Fresno	19	13	6	0	0	16
3	Fresno	6	6	0	0	0	6
4	Fresno	29	17	0	0	0	17
5	Fresno	53	35	10	0	8	40
6	Fresno	20	14	0	0	0	14
7	Fresno	18	10	8	0	0	14
9	Fresno	5	0	0	0	0	0
10	Fresno	26	26	0	0	0	26
11	Fresno	55	26	5	11	0	32
12	Fresno	4	4	0	0	0	4
13	Fresno	13	13	0	0	0	13
15	Fresno	7	7	0	0	0	7
16	Fresno	9	9	0	0	0	9
17	Fresno	33	33	0	0	0	33
18	Fresno	23	19	4	0	0	21
21	Fresno	41	35	6	0	0	38
22	Fresno	42	32	0	0	0	32
23	Fresno	27	27	0	0	0	27
24	Fresno	16	8	0	0	0	8
25	Fresno	25	17	8	0	0	21
26	Fresno	6	6	0	0	0	6
27	Fresno	13	0	13	0	0	7
30	Fresno	39	0	29	0	0	15
33	Fresno	7	7	0	0	0	7
34	Fresno	11	0	11	0	0	6
10	Glenn	9	9	0	0	0	9
16	Glenn	7	7	0	0	0	7
18	Glenn	5	0	5	0	0	3
19	Glenn	12	3	9	0	0	8
26	Glenn	8	0	8	0	0	4
2	Humboldt	8	8	0	0	0	8
5	Humboldt	6	6	0	0	0	6
6	Humboldt	12	12	0	0	0	12
7	Humboldt	7	7	0	0	0	7

Table A-2
 Bay Area Superdistricts to External California County Commuters
 by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
13	Humboldt	8	8	0	0	0	8
16	Humboldt	11	11	0	0	0	11
17	Humboldt	6	0	6	0	0	3
18	Humboldt	4	4	0	0	0	4
29	Humboldt	19	11	8	0	0	15
30	Humboldt	7	7	0	0	0	7
31	Humboldt	10	10	0	0	0	10
34	Humboldt	5	5	0	0	0	5
8	Imperial	9	9	0	0	0	9
18	Imperial	14	14	0	0	0	14
20	Imperial	17	17	0	0	0	17
30	Imperial	10	10	0	0	0	10
14	Inyo	6	6	0	0	0	6
2	Kern	11	0	0	0	11	0
4	Kern	15	0	0	0	15	0
6	Kern	7	7	0	0	0	7
8	Kern	15	15	0	0	0	15
9	Kern	8	0	0	0	0	0
11	Kern	16	16	0	0	0	16
12	Kern	7	7	0	0	0	7
15	Kern	10	0	0	0	0	0
17	Kern	6	0	6	0	0	3
18	Kern	9	9	0	0	0	9
20	Kern	13	0	13	0	0	7
21	Kern	9	9	0	0	0	9
22	Kern	21	15	0	0	0	15
25	Kern	40	17	16	7	0	26
26	Kern	21	21	0	0	0	21
27	Kern	24	18	6	0	0	21
29	Kern	9	9	0	0	0	9
32	Kern	4	4	0	0	0	4
12	Kings	5	5	0	0	0	5
15	Kings	22	22	0	0	0	22
16	Kings	3	3	0	0	0	3
25	Kings	9	9	0	0	0	9
28	Kings	6	0	0	0	0	0
3	Lake	14	14	0	0	0	14
7	Lake	9	0	0	0	0	0
9	Lake	5	0	0	0	0	0
11	Lake	12	4	8	0	0	8
16	Lake	9	0	9	0	0	5
17	Lake	7	7	0	0	0	7
27	Lake	33	14	7	12	0	21
28	Lake	57	46	11	0	0	52
29	Lake	49	30	0	11	0	34
30	Lake	96	40	23	23	0	60

Table A-2

Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
31	Lake	80	64	16	0	0	72
32	Lake	8	0	0	8	0	3
25	Lassen	7	7	0	0	0	7
1	Los Angeles	26	5	0	0	8	5
2	Los Angeles	125	77	0	7	0	79
3	Los Angeles	163	101	29	0	14	117
4	Los Angeles	32	19	0	0	13	19
5	Los Angeles	187	122	13	0	9	129
6	Los Angeles	135	97	11	0	0	103
7	Los Angeles	184	129	26	0	0	143
8	Los Angeles	247	123	12	16	20	134
9	Los Angeles	113	70	16	0	7	78
10	Los Angeles	172	102	10	0	36	107
11	Los Angeles	85	39	17	0	13	48
12	Los Angeles	118	82	17	0	0	91
13	Los Angeles	97	79	9	9	0	87
14	Los Angeles	37	27	10	0	0	32
15	Los Angeles	141	104	19	0	0	114
16	Los Angeles	160	51	38	0	19	70
17	Los Angeles	99	51	10	0	0	56
18	Los Angeles	258	125	30	6	18	143
19	Los Angeles	146	97	0	0	15	97
20	Los Angeles	87	62	11	0	0	68
21	Los Angeles	102	78	0	10	0	81
22	Los Angeles	143	76	16	0	4	84
23	Los Angeles	142	90	14	8	0	100
24	Los Angeles	49	36	6	0	7	39
25	Los Angeles	115	60	28	4	0	76
26	Los Angeles	87	55	23	0	0	67
27	Los Angeles	21	6	0	0	8	6
28	Los Angeles	15	15	0	0	0	15
29	Los Angeles	47	30	5	0	0	33
30	Los Angeles	46	40	0	0	6	40
31	Los Angeles	8	8	0	0	0	8
32	Los Angeles	17	17	0	0	0	17
33	Los Angeles	66	46	3	8	0	51
34	Los Angeles	144	104	21	0	0	115
10	Madera	8	8	0	0	0	8
15	Madera	10	10	0	0	0	10
20	Madera	5	5	0	0	0	5
24	Madera	12	12	0	0	0	12
26	Madera	19	19	0	0	0	19
29	Madera	9	9	0	0	0	9
30	Madera	10	2	8	0	0	6
31	Madera	11	0	11	0	0	6
33	Madera	7	7	0	0	0	7

Table A-2

Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
34	Madera	8	0	8	0	0	4
5	Mariposa	4	4	0	0	0	4
15	Mariposa	7	0	0	7	0	2
25	Mariposa	9	9	0	0	0	9
32	Mariposa	8	8	0	0	0	8
34	Mariposa	9	9	0	0	0	9
5	Mendocino	6	0	0	0	0	0
13	Mendocino	11	11	0	0	0	11
18	Mendocino	8	8	0	0	0	8
21	Mendocino	29	29	0	0	0	29
23	Mendocino	7	7	0	0	0	7
27	Mendocino	7	7	0	0	0	7
28	Mendocino	14	14	0	0	0	14
29	Mendocino	34	34	0	0	0	34
30	Mendocino	190	128	35	27	0	156
31	Mendocino	269	195	22	52	0	224
33	Mendocino	7	0	7	0	0	4
3	Merced	10	5	0	5	0	6
5	Merced	11	0	0	0	0	0
7	Merced	6	0	0	0	0	0
9	Merced	10	10	0	0	0	10
10	Merced	14	14	0	0	0	14
12	Merced	11	7	4	0	0	9
14	Merced	8	8	0	0	0	8
15	Merced	6	6	0	0	0	6
16	Merced	39	39	0	0	0	39
19	Merced	7	7	0	0	0	7
23	Merced	7	7	0	0	0	7
24	Merced	6	6	0	0	0	6
26	Merced	34	27	7	0	0	31
30	Merced	7	0	7	0	0	4
17	Mono	6	0	0	0	6	0
21	Mono	11	0	0	0	0	0
1	Monterey	25	9	0	0	16	9
2	Monterey	64	36	14	0	0	43
3	Monterey	69	52	0	9	8	55
4	Monterey	24	20	0	0	0	20
5	Monterey	15	15	0	0	0	15
6	Monterey	43	35	0	0	0	35
7	Monterey	34	34	0	0	0	34
8	Monterey	32	16	16	0	0	24
9	Monterey	39	39	0	0	0	39
10	Monterey	125	91	30	4	0	108
11	Monterey	131	83	13	8	17	93
12	Monterey	78	69	0	9	0	72
13	Monterey	136	113	23	0	0	125

Table A-2
Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
14	Monterey	608	497	53	58	0	542
15	Monterey	24	15	9	0	0	20
16	Monterey	26	19	0	7	0	20
17	Monterey	40	40	0	0	0	40
18	Monterey	71	63	0	8	0	65
19	Monterey	11	6	0	0	0	6
20	Monterey	36	0	9	17	0	7
21	Monterey	36	19	17	0	0	28
22	Monterey	4	4	0	0	0	4
23	Monterey	24	10	0	0	0	10
24	Monterey	9	9	0	0	0	9
25	Monterey	21	21	0	0	0	21
26	Monterey	33	33	0	0	0	33
27	Monterey	6	6	0	0	0	6
28	Monterey	1	1	0	0	0	1
29	Monterey	11	6	5	0	0	9
30	Monterey	10	10	0	0	0	10
31	Monterey	9	9	0	0	0	9
33	Monterey	21	21	0	0	0	21
34	Monterey	11	11	0	0	0	11
3	Nevada	33	27	6	0	0	30
6	Nevada	7	0	7	0	0	4
15	Nevada	7	0	0	0	0	0
20	Nevada	13	7	6	0	0	10
21	Nevada	29	14	0	15	0	19
22	Nevada	10	10	0	0	0	10
23	Nevada	16	0	16	0	0	8
26	Nevada	8	8	0	0	0	8
30	Nevada	7	0	0	0	0	0
32	Nevada	16	8	8	0	0	12
1	Orange	5	0	0	0	5	0
2	Orange	46	0	7	4	14	5
3	Orange	68	48	6	0	14	51
5	Orange	51	44	0	0	0	44
6	Orange	26	26	0	0	0	26
7	Orange	30	5	8	0	0	9
8	Orange	13	13	0	0	0	13
9	Orange	80	67	0	13	0	70
10	Orange	25	18	0	0	0	18
11	Orange	47	40	7	0	0	44
12	Orange	51	46	5	0	0	49
13	Orange	27	21	0	0	0	21
14	Orange	6	6	0	0	0	6
15	Orange	78	78	0	0	0	78
16	Orange	62	56	6	0	0	59
18	Orange	50	13	16	0	0	21

Table A-2

Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
19	Orange	24	9	0	0	0	9
20	Orange	14	6	0	0	0	6
21	Orange	68	47	0	0	0	47
22	Orange	52	28	0	9	0	31
23	Orange	74	67	0	0	0	67
24	Orange	7	7	0	0	0	7
25	Orange	36	36	0	0	0	36
26	Orange	23	15	8	0	0	19
27	Orange	9	9	0	0	0	9
29	Orange	30	10	0	0	0	10
30	Orange	15	15	0	0	0	15
31	Orange	20	20	0	0	0	20
33	Orange	8	8	0	0	0	8
34	Orange	18	17	1	0	0	18
3	Placer	7	7	0	0	0	7
5	Placer	17	12	0	5	0	13
6	Placer	14	7	7	0	0	11
7	Placer	9	9	0	0	0	9
8	Placer	11	11	0	0	0	11
10	Placer	24	20	4	0	0	22
11	Placer	14	14	0	0	0	14
12	Placer	34	19	15	0	0	27
15	Placer	7	7	0	0	0	7
17	Placer	5	5	0	0	0	5
18	Placer	8	8	0	0	0	8
19	Placer	8	0	5	3	0	4
21	Placer	43	30	13	0	0	37
22	Placer	25	12	0	0	0	12
23	Placer	11	7	4	0	0	9
24	Placer	14	14	0	0	0	14
25	Placer	10	10	0	0	0	10
26	Placer	61	43	18	0	0	53
27	Placer	9	0	9	0	0	5
28	Placer	7	7	0	0	0	7
31	Placer	23	0	0	0	0	0
34	Placer	5	5	0	0	0	5
7	Plumas	9	9	0	0	0	9
11	Plumas	12	12	0	0	0	12
31	Plumas	24	24	0	0	0	24
2	Riverside	13	13	0	0	0	13
5	Riverside	30	16	0	0	7	16
6	Riverside	3	3	0	0	0	3
7	Riverside	11	0	11	0	0	6
8	Riverside	5	5	0	0	0	5
12	Riverside	5	5	0	0	0	5
13	Riverside	5	0	0	0	0	0

Table A-2

Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
16	Riverside	9	9	0	0	0	9
20	Riverside	13	13	0	0	0	13
22	Riverside	4	4	0	0	0	4
23	Riverside	14	14	0	0	0	14
24	Riverside	12	12	0	0	0	12
26	Riverside	7	7	0	0	0	7
30	Riverside	7	0	7	0	0	4
31	Riverside	10	10	0	0	0	10
34	Riverside	7	0	0	0	0	0
1	Sacramento	30	13	10	0	0	18
2	Sacramento	127	91	25	0	0	104
3	Sacramento	83	48	0	0	14	48
4	Sacramento	44	31	13	0	0	38
5	Sacramento	57	36	21	0	0	48
6	Sacramento	37	37	0	0	0	37
7	Sacramento	71	43	28	0	0	57
8	Sacramento	74	58	7	0	9	62
9	Sacramento	91	86	0	5	0	88
10	Sacramento	26	26	0	0	0	26
11	Sacramento	29	29	0	0	0	29
12	Sacramento	137	68	46	23	0	98
13	Sacramento	67	63	0	4	0	64
15	Sacramento	92	92	0	0	0	92
16	Sacramento	86	61	11	0	7	67
17	Sacramento	121	90	6	7	10	94
18	Sacramento	161	105	16	7	20	115
19	Sacramento	93	43	9	41	0	56
20	Sacramento	170	123	0	25	18	132
21	Sacramento	305	221	25	50	0	247
22	Sacramento	75	60	7	0	8	64
23	Sacramento	61	49	12	0	0	55
24	Sacramento	192	142	35	15	0	165
25	Sacramento	315	241	22	44	0	265
26	Sacramento	3,001	2,381	272	249	45	2,592
27	Sacramento	158	105	28	25	0	124
28	Sacramento	30	30	0	0	0	30
29	Sacramento	170	153	0	17	0	159
30	Sacramento	145	145	0	0	0	145
31	Sacramento	21	21	0	0	0	21
32	Sacramento	25	12	7	0	6	16
33	Sacramento	52	31	21	0	0	42
34	Sacramento	41	31	0	0	10	31
1	San Benito	8	8	0	0	0	8
3	San Benito	11	0	0	11	0	3
5	San Benito	8	8	0	0	0	8
6	San Benito	7	7	0	0	0	7

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Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
7	San Benito	6	6	0	0	0	6
8	San Benito	12	12	0	0	0	12
9	San Benito	26	22	0	4	0	23
10	San Benito	39	39	0	0	0	39
11	San Benito	33	33	0	0	0	33
12	San Benito	33	29	4	0	0	31
13	San Benito	35	27	8	0	0	31
14	San Benito	625	525	77	15	0	571
16	San Benito	9	9	0	0	0	9
18	San Benito	9	9	0	0	0	9
26	San Benito	5	5	0	0	0	5
2	San Bernardino	23	23	0	0	0	23
3	San Bernardino	25	20	0	0	5	20
5	San Bernardino	33	33	0	0	0	33
6	San Bernardino	28	12	16	0	0	20
8	San Bernardino	13	5	8	0	0	9
9	San Bernardino	5	5	0	0	0	5
11	San Bernardino	9	9	0	0	0	9
13	San Bernardino	6	6	0	0	0	6
15	San Bernardino	52	36	8	0	0	40
17	San Bernardino	31	17	14	0	0	24
18	San Bernardino	84	23	10	27	12	37
19	San Bernardino	7	7	0	0	0	7
20	San Bernardino	21	21	0	0	0	21
21	San Bernardino	35	30	5	0	0	33
22	San Bernardino	30	30	0	0	0	30
23	San Bernardino	7	7	0	0	0	7
24	San Bernardino	19	19	0	0	0	19
29	San Bernardino	7	7	0	0	0	7
31	San Bernardino	41	19	22	0	0	30
32	San Bernardino	8	0	8	0	0	4
1	San Diego	24	16	0	0	8	16
2	San Diego	32	18	0	0	0	18
3	San Diego	38	5	14	8	11	13
4	San Diego	38	24	0	0	0	24
5	San Diego	32	10	8	0	9	14
6	San Diego	50	22	8	0	0	26
7	San Diego	29	6	0	0	0	6
8	San Diego	48	30	0	6	0	32
9	San Diego	26	17	0	0	0	17
10	San Diego	51	26	0	0	0	26
12	San Diego	18	14	0	0	0	14
13	San Diego	26	22	0	4	0	23
15	San Diego	14	7	0	0	0	7
16	San Diego	87	47	0	11	0	50
17	San Diego	35	24	0	0	0	24

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Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
18	San Diego	74	46	0	0	0	46
19	San Diego	32	19	0	0	0	19
20	San Diego	16	5	0	0	0	5
21	San Diego	21	13	0	0	0	13
22	San Diego	36	23	0	0	0	23
23	San Diego	28	14	7	0	0	18
24	San Diego	26	9	0	0	0	9
25	San Diego	67	29	0	0	0	29
26	San Diego	70	25	24	0	0	38
27	San Diego	17	0	7	0	0	4
30	San Diego	36	16	5	0	0	19
32	San Diego	45	20	0	0	0	20
33	San Diego	27	15	12	0	0	21
34	San Diego	20	20	0	0	0	20
1	San Joaquin	23	11	0	0	0	11
2	San Joaquin	51	51	0	0	0	51
3	San Joaquin	4	0	0	0	4	0
4	San Joaquin	17	17	0	0	0	17
7	San Joaquin	10	0	0	10	0	3
8	San Joaquin	8	8	0	0	0	8
9	San Joaquin	30	27	0	0	0	27
10	San Joaquin	81	81	0	0	0	81
11	San Joaquin	39	31	0	8	0	32
12	San Joaquin	100	75	14	5	0	85
13	San Joaquin	41	41	0	0	0	41
14	San Joaquin	27	27	0	0	0	27
15	San Joaquin	425	366	39	11	0	392
16	San Joaquin	131	82	49	0	0	108
17	San Joaquin	150	63	82	5	0	107
18	San Joaquin	113	84	15	0	8	92
19	San Joaquin	39	31	8	0	0	35
20	San Joaquin	50	50	0	0	0	50
21	San Joaquin	136	89	20	17	0	106
22	San Joaquin	68	68	0	0	0	68
23	San Joaquin	150	136	4	8	0	141
24	San Joaquin	570	460	100	10	0	515
25	San Joaquin	61	52	0	0	0	52
26	San Joaquin	225	172	17	20	0	188
27	San Joaquin	7	7	0	0	0	7
28	San Joaquin	22	15	7	0	0	19
29	San Joaquin	26	22	4	0	0	24
30	San Joaquin	46	42	4	0	0	44
31	San Joaquin	15	15	0	0	0	15
32	San Joaquin	20	20	0	0	0	20
2	San Luis Obispo	4	4	0	0	0	4
4	San Luis Obispo	9	9	0	0	0	9

Table A-2
 Bay Area Superdistricts to External California County Commuters
 by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
5	San Luis Obispo	20	4	0	6	10	6
7	San Luis Obispo	7	0	7	0	0	4
8	San Luis Obispo	44	8	7	0	0	12
10	San Luis Obispo	25	25	0	0	0	25
11	San Luis Obispo	15	0	0	8	7	1
12	San Luis Obispo	10	0	0	0	10	0
13	San Luis Obispo	16	6	5	0	5	9
14	San Luis Obispo	16	16	0	0	0	16
15	San Luis Obispo	15	9	6	0	0	12
16	San Luis Obispo	21	12	0	0	0	12
18	San Luis Obispo	8	0	8	0	0	4
21	San Luis Obispo	22	22	0	0	0	22
22	San Luis Obispo	50	36	8	0	0	40
23	San Luis Obispo	43	36	7	0	0	40
24	San Luis Obispo	7	7	0	0	0	7
25	San Luis Obispo	15	8	0	7	0	10
26	San Luis Obispo	5	5	0	0	0	5
30	San Luis Obispo	28	23	0	0	5	23
2	Santa Barbara	8	0	0	0	0	0
3	Santa Barbara	11	11	0	0	0	11
5	Santa Barbara	13	6	0	0	0	6
6	Santa Barbara	20	11	9	0	0	16
7	Santa Barbara	9	9	0	0	0	9
8	Santa Barbara	16	8	0	0	8	8
9	Santa Barbara	17	0	10	0	0	5
10	Santa Barbara	14	14	0	0	0	14
11	Santa Barbara	19	6	6	0	0	9
12	Santa Barbara	11	6	0	0	0	6
13	Santa Barbara	5	5	0	0	0	5
14	Santa Barbara	8	0	8	0	0	4
15	Santa Barbara	26	8	0	18	0	14
16	Santa Barbara	14	14	0	0	0	14
17	Santa Barbara	11	0	5	0	0	3
18	Santa Barbara	11	0	0	0	0	0
19	Santa Barbara	14	14	0	0	0	14
20	Santa Barbara	7	0	0	0	0	0
21	Santa Barbara	19	16	0	0	0	16
22	Santa Barbara	8	8	0	0	0	8
23	Santa Barbara	9	9	0	0	0	9
24	Santa Barbara	15	15	0	0	0	15
32	Santa Barbara	10	10	0	0	0	10
34	Santa Barbara	13	13	0	0	0	13
1	Santa Cruz	8	8	0	0	0	8
2	Santa Cruz	57	57	0	0	0	57
3	Santa Cruz	43	27	10	0	0	32
4	Santa Cruz	9	0	0	0	0	0

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Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
5	Santa Cruz	80	62	18	0	0	71
6	Santa Cruz	86	74	12	0	0	80
7	Santa Cruz	227	182	24	8	0	197
8	Santa Cruz	105	90	15	0	0	98
9	Santa Cruz	190	138	31	6	0	156
10	Santa Cruz	1,134	974	113	29	6	1,041
11	Santa Cruz	535	410	101	11	8	467
12	Santa Cruz	403	221	113	45	19	294
13	Santa Cruz	738	631	72	6	10	670
14	Santa Cruz	400	328	48	6	0	355
15	Santa Cruz	33	28	0	0	0	28
16	Santa Cruz	147	111	20	0	16	122
17	Santa Cruz	68	52	16	0	0	61
18	Santa Cruz	23	23	0	0	0	23
19	Santa Cruz	51	39	0	12	0	41
20	Santa Cruz	16	0	5	0	0	3
21	Santa Cruz	16	16	0	0	0	16
22	Santa Cruz	8	8	0	0	0	8
23	Santa Cruz	4	4	0	0	0	4
25	Santa Cruz	5	0	5	0	0	3
26	Santa Cruz	29	29	0	0	0	29
29	Santa Cruz	5	5	0	0	0	5
30	Santa Cruz	7	7	0	0	0	7
31	Santa Cruz	15	0	0	0	0	0
33	Santa Cruz	13	7	0	0	6	7
1	Shasta	10	10	0	0	0	10
5	Shasta	5	5	0	0	0	5
6	Shasta	9	9	0	0	0	9
12	Shasta	5	5	0	0	0	5
15	Shasta	6	6	0	0	0	6
16	Shasta	9	9	0	0	0	9
17	Shasta	13	13	0	0	0	13
19	Shasta	16	16	0	0	0	16
21	Shasta	8	8	0	0	0	8
22	Shasta	28	28	0	0	0	28
25	Shasta	18	18	0	0	0	18
26	Shasta	7	7	0	0	0	7
29	Shasta	10	0	10	0	0	5
34	Shasta	6	6	0	0	0	6
20	Sierra	6	6	0	0	0	6
5	Sierra	10	10	0	0	0	10
9	Sierra	5	5	0	0	0	5
11	Sierra	8	8	0	0	0	8
18	Sierra	9	9	0	0	0	9
27	Sierra	8	8	0	0	0	8
2	Stanislaus	18	7	0	11	0	11

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Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
3	Stanislaus	6	6	0	0	0	6
4	Stanislaus	7	7	0	0	0	7
5	Stanislaus	8	0	0	8	0	3
6	Stanislaus	16	16	0	0	0	16
9	Stanislaus	31	20	0	11	0	24
10	Stanislaus	23	11	12	0	0	17
11	Stanislaus	24	19	5	0	0	22
12	Stanislaus	26	6	20	0	0	17
13	Stanislaus	32	32	0	0	0	32
14	Stanislaus	23	23	0	0	0	23
15	Stanislaus	112	79	13	9	0	89
16	Stanislaus	35	28	0	7	0	30
17	Stanislaus	71	56	5	10	0	62
18	Stanislaus	54	42	0	0	0	42
19	Stanislaus	41	18	4	5	14	22
20	Stanislaus	7	7	0	0	0	7
21	Stanislaus	39	39	0	0	0	39
22	Stanislaus	19	10	9	0	0	15
23	Stanislaus	39	39	0	0	0	39
24	Stanislaus	76	56	8	12	0	64
26	Stanislaus	60	40	10	10	0	48
27	Stanislaus	39	27	12	0	0	33
28	Stanislaus	9	9	0	0	0	9
29	Stanislaus	6	0	0	6	0	2
18	Sutter	8	0	8	0	0	4
22	Sutter	9	9	0	0	0	9
24	Sutter	7	7	0	0	0	7
26	Sutter	25	25	0	0	0	25
27	Sutter	12	12	0	0	0	12
30	Sutter	7	7	0	0	0	7
6	Tehama	6	6	0	0	0	6
9	Tehama	10	10	0	0	0	10
10	Tehama	33	5	13	0	0	12
27	Trinity	8	0	8	0	0	4
2	Tulare	5	5	0	0	0	5
4	Tulare	18	11	0	0	7	11
5	Tulare	5	5	0	0	0	5
7	Tulare	6	0	0	0	0	0
8	Tulare	6	0	6	0	0	3
10	Tulare	12	12	0	0	0	12
13	Tulare	6	0	6	0	0	3
21	Tulare	9	0	0	0	0	0
22	Tulare	7	7	0	0	0	7
24	Tulare	9	9	0	0	0	9
2	Tuolumne	5	5	0	0	0	5
6	Tuolumne	10	0	0	0	0	0

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Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
8	Tuolumne	13	0	0	0	0	0
9	Tuolumne	14	14	0	0	0	14
10	Tuolumne	13	0	7	0	0	4
13	Tuolumne	11	11	0	0	0	11
26	Tuolumne	4	4	0	0	0	4
5	Ventura	6	6	0	0	0	6
6	Ventura	11	11	0	0	0	11
8	Ventura	30	30	0	0	0	30
9	Ventura	19	14	0	0	0	14
10	Ventura	13	13	0	0	0	13
12	Ventura	7	0	7	0	0	4
14	Ventura	37	0	0	17	0	4
16	Ventura	9	0	9	0	0	5
19	Ventura	38	38	0	0	0	38
21	Ventura	12	0	7	0	0	4
22	Ventura	6	6	0	0	0	6
24	Ventura	4	4	0	0	0	4
26	Ventura	27	22	0	0	0	22
27	Ventura	6	0	0	0	0	0
30	Ventura	9	9	0	0	0	9
31	Ventura	10	0	0	0	0	0
1	Yolo	13	7	0	0	0	7
2	Yolo	19	19	0	0	0	19
3	Yolo	8	8	0	0	0	8
4	Yolo	5	0	0	0	0	0
5	Yolo	20	14	0	0	0	14
6	Yolo	18	18	0	0	0	18
8	Yolo	10	10	0	0	0	10
9	Yolo	7	7	0	0	0	7
10	Yolo	9	0	0	0	0	0
11	Yolo	16	0	16	0	0	8
13	Yolo	7	7	0	0	0	7
15	Yolo	36	26	10	0	0	31
16	Yolo	23	23	0	0	0	23
17	Yolo	7	7	0	0	0	7
18	Yolo	33	24	0	0	0	24
19	Yolo	88	78	0	10	0	80
20	Yolo	51	45	0	6	0	47
21	Yolo	32	32	0	0	0	32
22	Yolo	26	13	7	0	0	17
23	Yolo	53	34	5	0	0	37
24	Yolo	34	34	0	0	0	34
25	Yolo	107	69	34	4	0	88
26	Yolo	2,569	2,117	225	95	5	2,264
27	Yolo	41	41	0	0	0	41
28	Yolo	7	7	0	0	0	7

Table A-2

Bay Area Superdistricts to External California County Commuters
by Means of Transportation - 1990 Census CTPP/UE

MTC Superdist of Residence	External County of Work	Total Workers	Drive Alone	Shared Ride 2	Shared Ride 3+	Transit	Vehicle Driver
29	Yolo	44	34	0	0	0	34
30	Yolo	19	19	0	0	0	19
31	Yolo	10	0	0	0	0	0
33	Yolo	5	5	0	0	0	5
34	Yolo	29	17	0	0	0	17
5	Yuba	8	8	0	0	0	8
10	Yuba	8	8	0	0	0	8
13	Yuba	7	7	0	0	0	7
15	Yuba	9	9	0	0	0	9
17	Yuba	23	23	0	0	0	23
18	Yuba	7	7	0	0	0	7
23	Yuba	6	6	0	0	0	6
26	Yuba	33	16	17	0	0	25
29	Yuba	32	32	0	0	0	32
34	Yuba	9	9	0	0	0	9

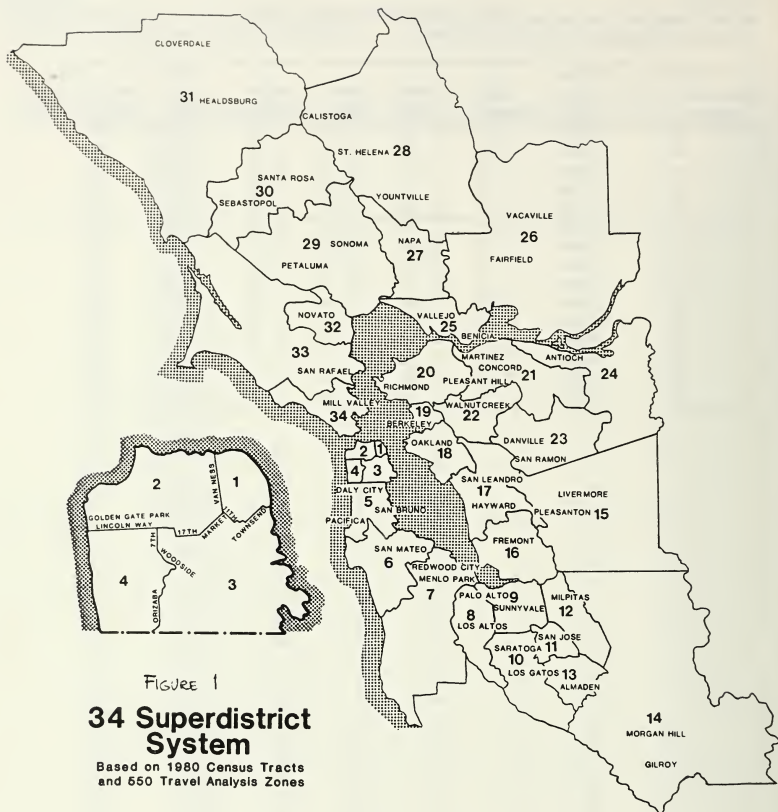


FIGURE 2

Bay Area and Adjacent Counties

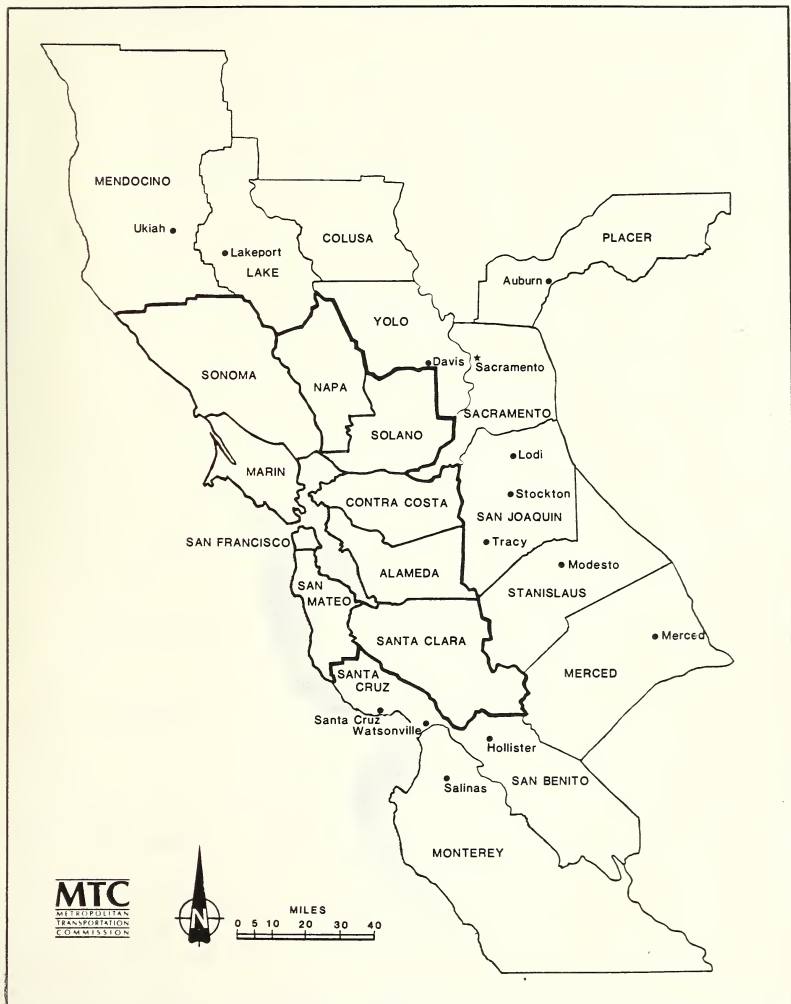
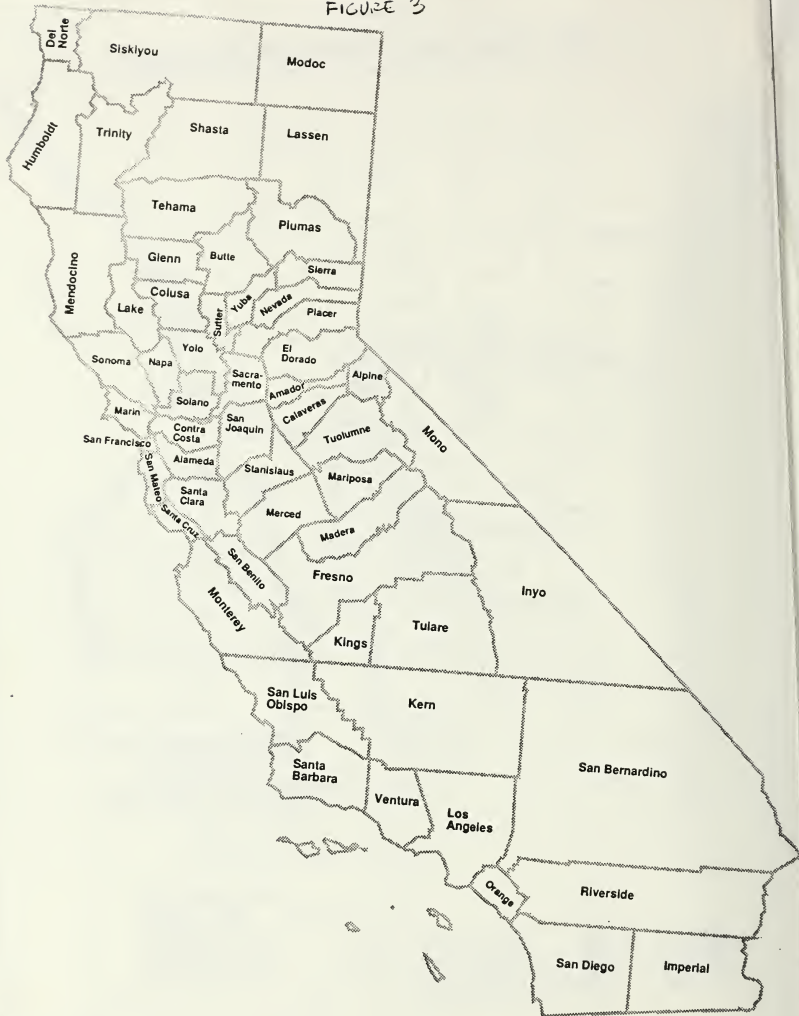


FIGURE 3



Acknowledgments

MTC Management Staff

Lawrence D. Dahms, Executive Director

William F. Hein, Deputy Executive Director

Chris Brittle, Manager, Planning Section

Marilyn M. Reynolds, Manager, Technical Services Section

Project Staff

Charles L. Purvis, Senior Transportation Planner/Analyst (Report Author)

Patrick Hackett, Senior Transportation Analyst

Susan Terry, Editor

